

PROVINCIA DI PISTOIA
COMUNE DI MONTALE



PROGETTO:

STUDIO IDROLOGICO E IDRAULICO
DI ALCUNI CORSI D'ACQUA
NEL TERRITORIO COMUNALE DI MONTALE

OGGETTO:

ALLEGATO D
CARATTERISTICHE MODELLO IDRAULICO
STATO ATTUALE

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PROGETTISTA:
Prof. Ing. Enio Paris

COLLABORATORI:
Dott. Ing. David Settesoldi
Dott. Ing. Michele Catella
Dott. Silvia Angelini

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STATO ATTUALE**

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Collaboratori: Dott. Ing. David Settesoldi
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Firenze, settembre 2007

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Legenda Tabelle

Tabella Aree di Potenziale Esondazione

La tabella si riferisce alla *Legge di Invaso* $V = A(y-y_0)^B$ ed in particolare:

Codice Cassa = codice identificativo delle aree di potenziale esondazione

y_0 [m s.l.m.] = quota minima del terreno all'interno della cassa

A e B = parametri della legge di invaso

Tabella Connessioni Idrauliche

Codice Sfiatore = codice identificativo dello sfioratore

Connessione = indica i codici delle aree e/o delle sezioni connesse

L[m] = lunghezza della soglia sfiorante

H[m s.l.m.] = quota della soglia sfiorante

μ_1 = coefficiente di stramazzo libero

μ_2 = coefficiente di stramazzo rigurgitato

Tabella Portelle

Codice Portella = codice identificativo portella

Connessione = indica i codici delle aree e/o delle sezioni connesse

L[m] = larghezza della portella

H_{\min} [m s.l.m.] = quota minima della soglia della portella

H_{\max} [m s.l.m.] = quota massima di apertura della portella

Tabella Idrovore

Codice Idrovora = codice identificativo idrovore

Connessione = indica i codici delle aree e/o delle sezioni connesse

Q[mc/s] = portata delle idrovore

H_{attacco} [m s.l.m.] = quota di attacco delle pompe

H_{stacco} [m s.l.m.] = quota di stacco delle pompe

Tabella Scabrezza

Tronco = codice identificativo del tronco

Scabrezza G.S. [$m^{1/3}/s$] = valore di scabrezza utilizzato

Principali caratteristiche delle Aree di Potenziale Esondazione

CODICE Cassa	y_0	A	B
ape_01	135.00	5742.91	1.48
ape_02	140.09	10068.17	1.19
ape_03	132.02	2600.42	1.60
ape_04	129.67	4415.89	1.31
ape_05	126.00	1882.41	1.50
ape_06	125.15	1514.45	1.33
ape_07	118.00	103.22	2.38
ape_08	118.95	4674.88	1.48
ape_09	119.59	4885.92	1.48
ape_10	107.60	8437.96	1.51
ape_100	74.84	5926.70	1.49
ape_101	79.40	4967.72	1.37
ape_102	73.11	9401.64	1.36
ape_103	83.44	4698.00	1.66
ape_104	78.10	3937.87	1.50
ape_105	78.15	4076.66	1.46
ape_106	74.35	2640.03	1.62
ape_107	72.74	1949.89	1.65
ape_108	78.62	6141.70	1.30
ape_109	75.01	1579.31	1.69
ape_11	103.73	20127.02	1.31
ape_110	73.91	4854.34	1.62
ape_111	77.37	6533.05	1.43
ape_112	73.19	4444.03	1.74
ape_113	74.75	4632.40	1.53
ape_114	72.03	3476.99	1.62
ape_115	71.08	4035.29	1.54
ape_116	76.95	3811.55	1.46
ape_117	74.19	2343.77	1.48
ape_118	73.96	4206.53	1.59
ape_119	74.76	4509.30	1.20
ape_12	97.29	4885.79	1.38
ape_120	87.43	8802.49	1.36
ape_121	76.51	4625.39	1.38
ape_122	89.02	2922.90	1.44
ape_123	84.13	2352.69	1.40
ape_124	47.26	61348.05	1.46
ape_125	54.13	33114.43	1.39
ape_126	52.40	15337.93	1.38
ape_127	50.77	21672.86	1.57
ape_128	49.93	24413.46	1.42
ape_129	49.31	46664.06	1.45
ape_13	101.34	2658.53	1.79
ape_130	54.04	9854.92	1.69
ape_131	51.44	7527.69	1.79
ape_132	49.75	25271.54	1.50
ape_133	58.23	46062.78	1.42
ape_134	54.74	27906.46	1.44
ape_135	51.04	12523.37	1.54
ape_136	53.47	16661.91	1.49

ape_137	51.11	25394.85	1.58
ape_138	49.91	26220.56	1.49
ape_139	62.00	16361.28	1.01
ape_14	96.00	25294.78	1.10
ape_140	56.63	9505.99	1.43
ape_141	59.13	26779.29	1.35
ape_142	53.90	8811.34	1.74
ape_143	49.79	14126.94	1.34
ape_144	56.52	8741.98	1.69
ape_145	54.45	9056.38	1.63
ape_146	51.55	15220.07	1.72
ape_147	56.77	18215.17	1.57
ape_148	54.42	14017.88	1.57
ape_149	64.04	7642.18	1.68
ape_15	97.51	4337.61	1.63
ape_150	62.22	18371.25	1.57
ape_151	67.38	11811.64	1.44
ape_152	64.61	8581.66	1.66
ape_153	62.49	5721.53	1.49
ape_154	60.30	3936.30	1.55
ape_155	56.96	4850.15	1.57
ape_156	54.19	4211.58	1.47
ape_157	50.85	34127.75	1.57
ape_158	68.93	16257.96	1.32
ape_159	65.57	14495.22	1.49
ape_16	105.74	3720.09	1.44
ape_160	61.99	13752.64	1.44
ape_161	59.95	19317.98	1.24
ape_162	57.64	11596.37	1.47
ape_163	54.89	10460.14	1.22
ape_164	54.20	38170.38	1.54
ape_165	65.20	21904.46	1.30
ape_166	63.09	9627.36	1.50
ape_167	59.62	17959.93	1.37
ape_168	57.36	11989.20	1.41
ape_169	53.75	14462.68	1.41
ape_17	103.78	5787.50	1.30
ape_170	51.40	11276.07	1.46
ape_171	71.84	3645.10	1.71
ape_172	69.22	2536.38	1.26
ape_173	66.83	5116.07	1.82
ape_174	63.50	7437.56	1.60
ape_175	59.39	7958.57	1.42
ape_176	58.12	9881.42	1.34
ape_177	54.94	8192.61	1.34
ape_178	52.28	9543.81	1.44
ape_179	69.33	3109.34	1.91
ape_18	97.52	6337.13	1.36
ape_180	69.44	3515.00	1.59
ape_181	66.28	5844.76	1.59
ape_182	62.95	4366.07	1.63
ape_183	61.00	5205.25	1.74

ape_184	57.69	7702.28	1.53
ape_185	53.04	25677.95	1.28
ape_186	66.96	3993.86	1.67
ape_187	62.04	7184.40	1.31
ape_188	58.69	15932.16	1.29
ape_189	60.24	2575.44	1.67
ape_19	96.20	2457.79	1.23
ape_190	58.60	4433.46	1.65
ape_191	54.84	16058.14	1.41
ape_192	52.58	14365.93	1.49
ape_193	49.14	36214.20	1.53
ape_194	70.18	2416.09	1.57
ape_195	69.57	4476.74	1.37
ape_196	69.72	8392.89	1.44
ape_197	62.60	7691.05	1.34
ape_198	58.19	4485.38	1.43
ape_199	74.66	2650.21	1.41
ape_20	94.53	2562.84	1.27
ape_200	77.19	2030.99	1.52
ape_201	74.33	3813.59	1.41
ape_202	70.07	6533.83	1.31
ape_203	67.70	10588.32	1.44
ape_204	65.16	5985.97	1.63
ape_205	63.15	6894.79	1.69
ape_206	58.17	5104.58	1.23
ape_207	58.64	4350.60	1.52
ape_208	56.72	5624.69	1.95
ape_209	57.67	6591.46	1.42
ape_21	102.47	1179.64	1.49
ape_210	54.34	8915.50	1.51
ape_211	52.41	40246.04	1.52
ape_212	76.41	2443.29	1.52
ape_213	79.53	2658.93	1.30
ape_214	71.81	6685.34	1.55
ape_215	66.33	2802.72	1.52
ape_216	64.42	2728.94	1.78
ape_217	62.56	4912.59	1.33
ape_218	58.75	3669.14	1.40
ape_219	56.13	7886.85	1.48
ape_22	93.19	1511.89	1.06
ape_220	55.37	6541.22	1.54
ape_221	52.87	23225.57	1.41
ape_222	87.56	7473.31	1.29
ape_223	57.58	22567.68	1.39
ape_224	54.78	11745.21	1.36
ape_225	71.89	6948.66	1.30
ape_226	59.61	22493.14	1.31
ape_227	56.01	12084.26	1.36
ape_228	54.81	18993.22	1.53
ape_229	81.18	9775.70	1.32
ape_23	90.54	9848.26	1.19
ape_230	67.23	6158.21	1.45

ape_231	56.37	27997.60	1.44
ape_232	73.27	21417.30	1.41
ape_233	67.00	4783.73	1.38
ape_234	68.01	8669.32	1.30
ape_235	65.14	14000.78	1.59
ape_236	57.60	13745.85	1.30
ape_237	62.55	4942.70	1.46
ape_238	57.72	15734.22	1.35
ape_239	94.34	13573.85	1.36
ape_24	92.00	4662.08	1.41
ape_240	81.59	21350.53	1.31
ape_241	68.84	27494.14	1.36
ape_242	65.23	7672.76	1.66
ape_243	59.76	28196.69	1.29
ape_244	91.37	5006.99	1.23
ape_245	91.81	4994.43	1.41
ape_246	78.31	14927.04	1.40
ape_247	68.93	19382.59	1.43
ape_248	68.18	10430.40	1.46
ape_249	68.54	5691.49	1.36
ape_25	87.72	3660.72	1.55
ape_250	64.65	2701.65	1.72
ape_251	65.73	3037.09	1.53
ape_252	62.83	9319.60	1.36
ape_253	68.51	11114.73	1.43
ape_254	40.73	929726.10	1.33
ape_255	48.38	58596.42	1.49
ape_256	48.94	27854.39	1.39
ape_257	49.01	12717.63	1.51
ape_258	48.97	18915.74	1.55
ape_259	48.84	9303.27	1.47
ape_26	90.11	1211.15	1.52
ape_260	48.75	29002.79	1.37
ape_261	47.83	30320.87	1.73
ape_262	47.67	21245.38	1.49
ape_263	47.41	47225.47	1.27
ape_264	51.87	22463.79	1.35
ape_265	50.98	8436.19	1.58
ape_266	49.53	5550.39	1.64
ape_267	50.53	12046.57	1.38
ape_268	48.62	10286.67	1.47
ape_269	49.68	7249.50	1.32
ape_27	93.86	2803.23	1.85
ape_270	47.47	12634.87	1.43
ape_271	49.35	5291.43	1.68
ape_272	47.29	24252.09	1.45
ape_273	47.05	9893.20	1.39
ape_274	46.11	20800.41	1.64
ape_275	47.59	3981.33	1.07
ape_276	48.15	19698.49	1.38
ape_277	48.38	12625.46	1.47
ape_278	48.60	30885.59	1.38

ape_279	47.33	14891.35	1.74
ape_28	89.56	2055.46	1.15
ape_280	46.00	24981.00	1.00
ape_281	49.02	23570.99	1.39
ape_282	48.39	20852.73	1.50
ape_283	50.12	24648.34	1.53
ape_284	48.32	33086.37	1.44
ape_285	47.19	31225.86	1.50
ape_286	48.31	42980.83	1.29
ape_287	48.47	10063.80	1.76
ape_288	47.18	26265.54	1.57
ape_289	45.14	50189.00	1.53
ape_29	88.02	2423.94	1.42
ape_290	45.63	25492.88	1.52
ape_291	45.97	12695.77	1.39
ape_292	50.50	16666.00	1.57
ape_293	49.50	1280.00	3.31
ape_294	50.60	12564.00	1.00
ape_295	47.78	46847.77	1.60
ape_296	49.26	17400.72	1.54
ape_297	50.81	44183.05	1.48
ape_298	46.37	8458.55	1.80
ape_299	47.01	8491.33	1.46
ape_30	88.43	4439.72	1.62
ape_300	47.57	13626.03	1.59
ape_301	47.90	17644.61	1.49
ape_302	52.61	32093.86	1.48
ape_303	50.70	35555.57	1.29
ape_304	48.47	9634.42	1.26
ape_305	49.25	5016.00	1.00
ape_306	47.47	23397.17	1.35
ape_307	48.29	9434.10	1.59
ape_308	48.60	9969.91	1.69
ape_309	47.87	7968.29	1.53
ape_31	92.57	3018.55	1.47
ape_310	46.57	25414.59	1.64
ape_311	46.73	18688.11	1.54
ape_312	54.28	32614.47	1.53
ape_313	53.38	7855.79	1.56
ape_314	53.35	6775.63	1.64
ape_315	53.07	5104.74	1.71
ape_316	50.75	11722.95	1.74
ape_317	50.69	10192.33	1.59
ape_318	51.02	10722.48	1.58
ape_319	51.38	32044.93	1.46
ape_32	89.66	5091.59	1.26
ape_320	49.05	16133.94	1.55
ape_321	48.90	7761.08	1.68
ape_322	49.27	21029.97	1.65
ape_323	49.58	18378.28	1.44
ape_324	48.25	8928.59	1.52
ape_325	46.73	9888.67	1.96

ape_326	61.50	5921.55	1.47
ape_327	63.54	2644.07	1.78
ape_328	62.40	4534.37	1.48
ape_329	58.42	12721.56	1.43
ape_33	86.14	2532.09	1.73
ape_330	57.95	14512.26	1.50
ape_331	55.58	27514.81	1.48
ape_332	53.74	13546.99	1.43
ape_333	51.35	14586.01	1.28
ape_334	62.08	8177.05	1.24
ape_335	55.96	15414.07	1.45
ape_336	53.20	13199.30	1.50
ape_337	64.46	2685.53	1.59
ape_338	63.00	12015.06	1.40
ape_339	61.01	6855.47	1.60
ape_34	78.65	11286.50	1.42
ape_340	57.69	7374.37	1.35
ape_341	54.51	16285.42	1.36
ape_342	56.19	6905.95	1.47
ape_343	54.12	15417.58	1.40
ape_344	53.51	21203.97	1.67
ape_345	52.18	14196.65	1.81
ape_346	69.73	13696.58	1.40
ape_347	63.17	7215.05	1.36
ape_348	65.07	7732.44	1.36
ape_349	58.24	7876.87	1.39
ape_35	95.91	11225.59	1.16
ape_350	57.43	3716.25	1.33
ape_351	54.59	11889.89	1.48
ape_352	54.93	7647.27	1.37
ape_353	54.25	10614.65	1.52
ape_354	54.27	10937.67	1.51
ape_355	53.57	8720.55	1.69
ape_356	55.04	33750.81	1.12
ape_357	57.10	72791.91	1.38
ape_358	45.18	5450.49	2.05
ape_359	46.01	42608.99	1.36
ape_36	93.15	6346.22	1.48
ape_360	47.14	3923.06	1.98
ape_361	46.85	4665.34	1.34
ape_362	44.53	64371.04	1.37
ape_363	46.34	12327.27	1.41
ape_364	45.52	27802.24	1.25
ape_365	45.83	1330.08	1.65
ape_366	44.64	25789.96	1.39
ape_367	44.40	6004.68	1.21
ape_368	44.00	22531.74	1.68
ape_369	45.31	36000.09	1.37
ape_37	89.59	1667.79	1.44
ape_370	44.44	5015.88	1.19
ape_371	44.00	8690.56	1.12
ape_372	44.10	47000.00	1.00

ape_373	45.62	14884.31	1.47
ape_374	45.90	11047.04	1.30
ape_375	45.34	12578.53	1.41
ape_376	45.45	5404.69	1.50
ape_377	45.41	5881.84	1.36
ape_378	45.38	4216.71	1.37
ape_379	45.49	1852.07	1.74
ape_38	84.67	6801.94	1.19
ape_380	45.24	15844.40	1.53
ape_381	44.44	3898.27	1.49
ape_382	44.45	8104.87	1.71
ape_383	43.39	41230.91	1.52
ape_384	40.88	227383.50	1.46
ape_385	45.55	13671.46	1.47
ape_386	45.47	15818.19	1.45
ape_387	45.41	7486.71	1.43
ape_388	45.21	18038.13	1.40
ape_389	44.88	16853.49	1.44
ape_39	91.01	3830.30	1.60
ape_390	45.09	8109.30	1.48
ape_391	45.10	12908.12	1.33
ape_392	44.86	13944.44	1.41
ape_393	44.81	7278.87	1.59
ape_394	45.64	11537.25	1.50
ape_395	45.41	4204.41	1.42
ape_396	45.56	5415.90	1.32
ape_397	44.93	58688.98	1.43
ape_398	45.64	19453.55	1.52
ape_399	45.86	81330.96	1.52
ape_40	88.14	5367.83	1.58
ape_400	47.88	33291.88	1.45
ape_401	47.67	31825.43	1.39
ape_402	46.50	72662.22	1.40
ape_403	44.71	42411.84	1.52
ape_404	49.66	15350.12	1.49
ape_405	48.42	57102.13	1.34
ape_406	47.00	78801.69	1.45
ape_407	50.70	7787.42	1.58
ape_408	52.15	13525.37	1.59
ape_409	49.22	155464.90	1.32
ape_41	84.97	9410.76	1.50
ape_410	40.91	169556.80	1.34
ape_411	45.39	180971.60	1.32
ape_412	56.11	2475.21	1.65
ape_413	62.97	5156.41	1.43
ape_414	51.40	13991.22	1.52
ape_415	52.95	16642.72	1.52
ape_42	95.23	3899.29	1.15
ape_43	85.78	11526.06	1.33
ape_44	81.15	22354.39	1.27
ape_45	80.70	5794.22	1.47
ape_46	67.92	53608.78	1.28

ape_47	51.01	252435.10	1.29
ape_48	74.00	13620.44	1.41
ape_49	59.01	12136.93	1.32
ape_50	57.47	30343.49	1.37
ape_51	82.09	5589.41	1.45
ape_52	76.00	8401.42	1.33
ape_53	67.47	7495.93	1.29
ape_54	62.18	3300.55	1.68
ape_55	61.48	8964.06	1.46
ape_56	62.28	4445.97	1.43
ape_57	69.07	6587.04	1.53
ape_58	72.64	9559.50	1.47
ape_59	68.21	10981.58	1.58
ape_60	89.92	6728.64	1.29
ape_61	78.15	9812.74	1.38
ape_62	89.91	3945.18	1.47
ape_63	84.76	2004.63	1.55
ape_64	89.52	3432.09	1.62
ape_65	86.72	2162.96	1.62
ape_66	85.19	4052.70	1.45
ape_67	82.40	2189.59	1.72
ape_68	80.16	2637.81	1.86
ape_69	71.43	16850.44	1.31
ape_70	87.76	3608.12	1.40
ape_71	82.50	13727.03	1.33
ape_72	79.90	3870.91	1.25
ape_73	78.27	4080.49	1.63
ape_74	76.78	3870.95	1.78
ape_75	74.17	4649.22	1.54
ape_76	73.47	5065.56	1.48
ape_77	85.13	1261.48	2.07
ape_78	80.86	4900.25	1.46
ape_79	79.74	3124.34	1.59
ape_80	77.61	2841.71	1.56
ape_81	75.73	920.15	1.81
ape_82	70.26	4841.80	1.53
ape_83	68.88	3596.87	1.68
ape_84	84.27	3881.15	1.52
ape_85	80.94	2046.46	2.01
ape_86	75.82	5601.08	1.35
ape_87	76.12	6029.18	1.33
ape_88	71.83	6936.71	1.46
ape_89	69.14	9939.93	1.46
ape_90	83.99	4892.45	1.36
ape_91	82.02	3793.28	1.13
ape_92	81.10	2348.41	1.60
ape_93	79.11	4208.06	1.56
ape_94	78.01	2692.19	1.61
ape_95	78.72	1770.12	1.91
ape_96	77.90	4002.88	1.46
ape_97	72.11	5743.72	1.23
ape_98	71.27	9320.38	1.57

ape_99	79.94	7192.36	1.37

Principali caratteristiche delle Connessioni Idrauliche

CODICE Sfiatore	CONNESSIONE	L_{soglia} [m]	H_{soglia} [m s.l.m.]	μ_1	μ_2
SF0001_	APE_02-APE_03	34.2	139.2	0.4	0.65
SF0002_	APE_01-APE_05	42.0	132.4	0.4	0.65
SF0003_	APE_01-APE_06	31.6	132.4	0.4	0.65
SF0004_	APE_06-APE_07	15.6	122.0	0.4	0.65
SF0005_	APE_04-APE_09	30.0	124.5	0.4	0.65
SF0006_	APE_05-APE_08	61.4	125.3	0.4	0.65
SF0007_	APE_07-APE_08	6.7	120.7	0.4	0.65
SF0008_	APE_08-APE_10	40.6	118.3	0.4	0.65
SF0009_	APE_09-APE_11	36.0	112.1	0.4	0.65
SF0010_	APE_10-APE_12	16.9	119.7	0.4	0.65
SF0011_	APE_10-APE_13	44.0	100.6	0.4	0.65
SF0012_	APE_12-APE_13	58.0	114.1	0.4	0.65
SF0013_	APE_13-APE_14	65.7	103.4	0.4	0.65
SF0014_	APE_11-APE_15	78.8	101.8	0.4	0.65
SF0015_	APE_46-APE_47	130.0	66.4	0.4	0.65
SF0016_	APE_46-APE_47	130.0	73.3	0.4	0.65
SF0017_	APE_46-APE_48	67.6	73.3	0.4	0.65
SF0018_	APE_49-APE_47	66.6	59.1	0.4	0.65
SF0019_	APE_49-APE_50	52.0	58.0	0.4	0.65
SF0020_	APE_50-APE_47	53.0	57.7	0.4	0.65
SF0021_	APE_48-APE_49	33.6	72.1	0.4	0.65
SF0022_	APE_48-APE_53	58.8	72.1	0.4	0.65
SF0023_	APE_53-APE_49	28.0	65.2	0.4	0.65
SF0024_	APE_53-APE_54	30.6	64.6	0.4	0.65
SF0025_	APE_54-APE_49	24.0	61.7	0.4	0.65
SF0026_	APE_54-APE_55	58.0	62.1	0.4	0.65
SF0027_	APE_55-APE_50	35.0	60.6	0.4	0.65
SF0028_	APE_55-APE_56	33.0	62.0	0.4	0.65
SF0029_	APE_56-APE_50	27.0	62.0	0.4	0.65
SF0030_	APE_51-APE_48	87.4	79.4	0.4	0.65
SF0031_	APE_51-APE_52	24.2	80.1	0.4	0.65
SF0032_	APE_48-APE_52	22.6	74.7	0.4	0.65
SF0033_	APE_52-APE_53	8.8	74.4	0.4	0.65
SF0034_	APE_52-APE_57	32.2	76.0	0.4	0.65
SF0035_	APE_53-APE_54	30.6	68.8	0.4	0.65
SF0036_	APE_53-APE_57	31.5	69.5	0.4	0.65
SF0037_	APE_54-APE_57	16.4	66.9	0.4	0.65
SF0038_	APE_57-APE_55	46.8	67.3	0.4	0.65
SF0039_	APE_55-APE_56	33.0	66.0	0.4	0.65
SF0040_	APE_56-APE_50	27.0	64.2	0.4	0.65
SF0041_	APE_51-APE_52	24.2	92.0	0.4	0.65
SF0042_	APE_51-APE_60	28.0	96.2	0.4	0.65
SF0043_	APE_52-APE_57	32.2	78.8	0.4	0.65
SF0044_	APE_57-APE_58	35.1	74.3	0.4	0.65
SF0045_	APE_58-APE_55	16.2	71.6	0.4	0.65

SF0046_	APE_55-APE_59	28.4	69.3	0.4	0.65
SF0047_	APE_56-APE_59	27.9	67.3	0.4	0.65
SF0048_	APE_59-APE_50	1.0	67.0	0.4	0.65
SF0049_	APE_52-APE_61	37.8	81.8	0.4	0.65
SF0050_	APE_57-APE_61	15.2	78.4	0.4	0.65
SF0051_	APE_58-APE_61	61.8	78.0	0.4	0.65
SF0052_	APE_58-APE_59	83.0	71.9	0.4	0.65
SF0053_	APE_17-APE_18	35.8	102.4	0.4	0.65
SF0054_	APE_16-APE_62	17.2	98.0	0.4	0.65
SF0055_	APE_18-APE_64	10.0	96.3	0.4	0.65
SF0056_	APE_18-APE_19	38.0	97.0	0.4	0.65
SF0057_	APE_18-APE_64	10.0	96.3	0.4	0.65
SF0058_	APE_62-APE_60	16.0	106.5	0.4	0.65
SF0059_	APE_62-APE_60	16.0	91.3	0.4	0.65
SF0060_	APE_62-APE_63	16.5	87.9	0.4	0.65
SF0061_	APE_60-APE_52	58.4	84.5	0.4	0.65
SF0062_	APE_63-APE_60	17.0	84.7	0.4	0.65
SF0063_	APE_63-APE_61	10.6	84.4	0.4	0.65
SF0064_	APE_19-APE_21	15.8	103.1	0.4	0.65
SF0065_	APE_21-APE_20	28.6	100.4	0.4	0.65
SF0066_	APE_19-APE_20	15.8	94.9	0.4	0.65
SF0067_	APE_19-APE_64	13.8	94.5	0.4	0.65
SF0068_	APE_20-APE_70	29.4	94.6	0.4	0.65
SF0069_	APE_64-APE_70	30.0	89.9	0.4	0.65
SF0070_	APE_71-APE_70	27.6	89.7	0.4	0.65
SF0071_	APE_64-APE_65	13.8	88.8	0.4	0.65
SF0072_	APE_65-APE_71	22.8	86.6	0.4	0.65
SF0073_	APE_65-APE_66	20.3	86.4	0.4	0.65
SF0074_	APE_66-APE_67	24.0	85.2	0.4	0.65
SF0075_	APE_66-APE_71	15.6	85.2	0.4	0.65
SF0076_	APE_67-APE_68	26.0	82.2	0.4	0.65
SF0077_	APE_67-APE_72	14.0	83.4	0.4	0.65
SF0078_	APE_73-APE_72	24.0	82.9	0.4	0.65
SF0079_	APE_68-APE_69	26.2	80.1	0.4	0.65
SF0080_	APE_68-APE_73	19.2	80.1	0.4	0.65
SF0081_	APE_74-APE_73	22.0	79.9	0.4	0.65
SF0082_	APE_69-APE_74	12.7	78.3	0.4	0.65
SF0083_	APE_69-APE_75	30.0	77.0	0.4	0.65
SF0084_	APE_75-APE_74	16.2	77.6	0.4	0.65
SF0085_	APE_69-APE_133	16.9	79.9	0.4	0.65
SF0086_	APE_69-APE_75	30.0	73.9	0.4	0.65
SF0087_	APE_75-APE_76	31.4	74.0	0.4	0.65
SF0088_	APE_69-APE_139	40.0	71.7	0.4	0.65
SF0089_	APE_82-APE_83	31.8	70.3	0.4	0.65
SF0090_	APE_21-APE_23	22.9	103.7	0.4	0.65
SF0091_	APE_20-APE_22	13.6	95.8	0.4	0.65
SF0092_	APE_22-APE_23	31.6	92.8	0.4	0.65

SF0093_	APE_70-APE_22	21.6	92.4	0.4	0.65
SF0094_	APE_23-APE_25	18.0	88.6	0.4	0.65
SF0095_	APE_23-APE_70	12.0	89.3	0.4	0.65
SF0096_	APE_71-APE_70	27.6	87.0	0.4	0.65
SF0097_	APE_70-APE_77	11.0	86.9	0.4	0.65
SF0098_	APE_71-APE_77	9.8	86.3	0.4	0.65
SF0099_	APE_71-APE_78	23.0	84.7	0.4	0.65
SF0100_	APE_71-APE_78	23.0	81.6	0.4	0.65
SF0101_	APE_72-APE_71	49.4	81.2	0.4	0.65
SF0102_	APE_73-APE_72	24.0	79.6	0.4	0.65
SF0103_	APE_72-APE_79	14.0	79.7	0.4	0.65
SF0104_	APE_74-APE_73	22.0	77.9	0.4	0.65
SF0105_	APE_73-APE_80	19.8	77.9	0.4	0.65
SF0106_	APE_76-APE_74	27.0	76.5	0.4	0.65
SF0107_	APE_74-APE_81	15.1	76.6	0.4	0.65
SF0108_	APE_76-APE_81	10.3	75.7	0.4	0.65
SF0109_	APE_81-APE_86	26.8	75.8	0.4	0.65
SF0110_	APE_69-APE_76	21.2	73.2	0.4	0.65
SF0111_	APE_76-APE_82	24.0	73.4	0.4	0.65
SF0112_	APE_23-APE_24	56.0	90.0	0.4	0.65
SF0113_	APE_24-APE_25	6.8	89.7	0.4	0.65
SF0114_	APE_23-APE_25	11.2	89.6	0.4	0.65
SF0115_	APE_26-APE_28	12.6	89.7	0.4	0.65
SF0116_	APE_28-APE_29	23.5	90.7	0.4	0.65
SF0117_	APE_25-APE_77	29.0	87.5	0.4	0.65
SF0118_	APE_29-APE_84	17.8	88.4	0.4	0.65
SF0119_	APE_84-APE_78	6.9	84.4	0.4	0.65
SF0120_	APE_84-APE_85	26.8	83.5	0.4	0.65
SF0121_	APE_85-APE_86	14.4	80.8	0.4	0.65
SF0122_	APE_86-APE_87	20.0	80.6	0.4	0.65
SF0123_	APE_86-APE_87	20.0	77.8	0.4	0.65
SF0124_	APE_87-APE_88	31.2	76.6	0.4	0.65
SF0125_	APE_12-APE_26	17.6	94.8	0.4	0.65
SF0126_	APE_12-APE_14	67.8	98.3	0.4	0.65
SF0127_	APE_26-APE_27	35.0	91.7	0.4	0.65
SF0128_	APE_27-APE_28	15.0	91.7	0.4	0.65
SF0129_	APE_28-APE_30	18.1	93.1	0.4	0.65
SF0130_	APE_84-APE_90	22.4	86.1	0.4	0.65
SF0131_	APE_84-APE_91	11.2	84.2	0.4	0.65
SF0132_	APE_85-APE_92	9.6	83.0	0.4	0.65
SF0133_	APE_85-APE_93	11.4	81.8	0.4	0.65
SF0134_	APE_85-APE_87	9.4	80.4	0.4	0.65
SF0135_	APE_85-APE_94	7.6	80.4	0.4	0.65
SF0136_	APE_87-APE_94	28.2	78.1	0.4	0.65
SF0137_	APE_89-APE_98	41.0	72.3	0.4	0.65
SF0138_	APE_77-APE_78	31.2	85.1	0.4	0.65
SF0139_	APE_78-APE_79	29.4	80.4	0.4	0.65

SF0140_	APE_79-APE_80	23.6	79.7	0.4	0.65
SF0141_	APE_80-APE_81	12.9	77.5	0.4	0.65
SF0142_	APE_86-APE_88	25.6	75.7	0.4	0.65
SF0143_	APE_82-APE_88	34.4	71.2	0.4	0.65
SF0144_	APE_82-APE_89	7.0	71.0	0.4	0.65
SF0145_	APE_14-APE_27	10.0	98.4	0.4	0.65
SF0146_	APE_14-APE_27	30.0	97.8	0.4	0.65
SF0147_	APE_27-APE_30	13.1	94.3	0.4	0.65
SF0148_	APE_27-APE_32	32.0	94.6	0.4	0.65
SF0149_	APE_27-APE_31	19.2	94.9	0.4	0.65
SF0150_	APE_32-APE_30	36.0	89.5	0.4	0.65
SF0151_	APE_29-APE_30	19.4	90.1	0.4	0.65
SF0152_	APE_30-APE_84	23.6	87.8	0.4	0.65
SF0153_	APE_30-APE_33	27.6	87.6	0.4	0.65
SF0154_	APE_33-APE_90	27.8	86.0	0.4	0.65
SF0155_	APE_33-APE_34	26.0	86.4	0.4	0.65
SF0156_	APE_34-APE_99	27.4	86.3	0.4	0.65
SF0157_	APE_33-APE_99	3.0	86.0	0.4	0.65
SF0158_	APE_90-APE_91	20.4	86.1	0.4	0.65
SF0159_	APE_91-APE_92	34.4	82.5	0.4	0.65
SF0160_	APE_90-APE_91	20.4	83.3	0.4	0.65
SF0161_	APE_90-APE_99	21.6	83.6	0.4	0.65
SF0162_	APE_34-APE_99	27.4	84.3	0.4	0.65
SF0163_	APE_91-APE_99	13.6	82.3	0.4	0.65
SF0164_	APE_91-APE_95	8.0	82.3	0.4	0.65
SF0165_	APE_92-APE_93	34.0	80.8	0.4	0.65
SF0166_	APE_92-APE_95	10.0	80.9	0.4	0.65
SF0167_	APE_93-APE_94	20.0	79.1	0.4	0.65
SF0168_	APE_93-APE_96	4.0	79.0	0.4	0.65
SF0169_	APE_93-APE_95	20.8	79.1	0.4	0.65
SF0170_	APE_95-APE_96	14.2	79.1	0.4	0.65
SF0171_	APE_95-APE_99	31.8	79.6	0.4	0.65
SF0172_	APE_34-APE_99	27.4	80.6	0.4	0.65
SF0173_	APE_34-APE_99	27.4	79.6	0.4	0.65
SF0174_	APE_96-APE_89	18.0	78.0	0.4	0.65
SF0175_	APE_96-APE_34	19.1	78.2	0.4	0.65
SF0176_	APE_34-APE_100	30.8	78.1	0.4	0.65
SF0177_	APE_89-APE_100	22.4	76.1	0.4	0.65
SF0178_	APE_100-APE_98	41.9	74.4	0.4	0.65
SF0179_	APE_86-APE_82	10.1	74.7	0.4	0.65
SF0180_	APE_14-APE_31	30.0	94.2	0.4	0.65
SF0181_	APE_31-APE_32	23.0	92.4	0.4	0.65
SF0182_	APE_101-APE_102	11.0	81.5	0.4	0.65
SF0183_	APE_15-APE_35	35.0	98.3	0.4	0.65
SF0184_	APE_15-APE_35	35.0	100.8	0.4	0.65
SF0185_	APE_15-APE_42	12.0	108.0	0.4	0.65
SF0186_	APE_35-APE_36	29.0	95.5	0.4	0.65

SF0187_	APE_35-APE_36	29.0	95.9	0.4	0.65
SF0188_	APE_35-APE_42	31.6	99.5	0.4	0.65
SF0189_	APE_36-APE_37	25.4	93.0	0.4	0.65
SF0190_	APE_36-APE_39	20.2	93.0	0.4	0.65
SF0191_	APE_36-APE_42	21.8	95.9	0.4	0.65
SF0192_	APE_37-APE_38	21.3	90.4	0.4	0.65
SF0193_	APE_37-APE_39	19.8	92.1	0.4	0.65
SF0194_	APE_39-APE_40	30.9	91.0	0.4	0.65
SF0195_	APE_39-APE_42	23.6	93.0	0.4	0.65
SF0196_	APE_42-APE_43	25.8	95.1	0.4	0.65
SF0197_	APE_38-APE_40	19.9	90.0	0.4	0.65
SF0198_	APE_40-APE_41	22.0	88.3	0.4	0.65
SF0199_	APE_40-APE_41	22.0	87.7	0.4	0.65
SF0200_	APE_40-APE_43	24.4	89.4	0.4	0.65
SF0201_	APE_38-APE_41	22.0	86.8	0.4	0.65
SF0202_	APE_41-APE_103	37.2	85.2	0.4	0.65
SF0203_	APE_41-APE_108	21.0	84.4	0.4	0.65
SF0204_	APE_41-APE_43	31.2	84.6	0.4	0.65
SF0205_	APE_38-APE_101	10.8	84.3	0.4	0.65
SF0206_	APE_38-APE_103	22.6	85.4	0.4	0.65
SF0207_	APE_103-APE_101	6.2	84.7	0.4	0.65
SF0208_	APE_103-APE_104	15.1	83.9	0.4	0.65
SF0209_	APE_103-APE_105	14.0	82.6	0.4	0.65
SF0210_	APE_103-APE_108	26.0	82.9	0.4	0.65
SF0211_	APE_108-APE_111	30.8	84.0	0.4	0.65
SF0212_	APE_43-APE_111	31.2	84.2	0.4	0.65
SF0213_	APE_101-APE_104	29.0	81.7	0.4	0.65
SF0214_	APE_105-APE_104	27.0	81.1	0.4	0.65
SF0215_	APE_105-APE_108	20.2	80.8	0.4	0.65
SF0216_	APE_111-APE_113	22.8	80.0	0.4	0.65
SF0217_	APE_101-APE_104	29.0	78.9	0.4	0.65
SF0218_	APE_104-APE_102	17.0	78.1	0.4	0.65
SF0219_	APE_104-APE_105	27.0	78.5	0.4	0.65
SF0220_	APE_105-APE_102	9.0	77.7	0.4	0.65
SF0221_	APE_105-APE_106	12.7	78.0	0.4	0.65
SF0222_	APE_105-APE_108	20.2	78.4	0.4	0.65
SF0223_	APE_108-APE_106	4.6	78.1	0.4	0.65
SF0224_	APE_108-APE_109	13.8	78.1	0.4	0.65
SF0225_	APE_108-APE_111	30.8	78.1	0.4	0.65
SF0226_	APE_111-APE_109	11.0	77.0	0.4	0.65
SF0227_	APE_111-APE_112	12.4	76.5	0.4	0.65
SF0228_	APE_111-APE_113	22.8	76.8	0.4	0.65
SF0229_	APE_113-APE_112	11.8	76.0	0.4	0.65
SF0230_	APE_102-APE_106	26.4	75.3	0.4	0.65
SF0231_	APE_106-APE_109	12.8	76.8	0.4	0.65
SF0232_	APE_109-APE_110	25.3	75.4	0.4	0.65
SF0233_	APE_109-APE_112	15.0	76.3	0.4	0.65

SF0234_	APE_113-APE_114	14.7	75.0	0.4	0.65
SF0235_	APE_106-APE_107	14.2	74.5	0.4	0.65
SF0236_	APE_106-APE_110	24.0	74.4	0.4	0.65
SF0237_	APE_93-APE_94	20.0	80.0	0.4	0.65
SF0238_	APE_43-APE_44	50.6	88.4	0.4	0.65
SF0239_	APE_43-APE_113	15.0	84.8	0.4	0.65
SF0240_	APE_44-APE_113	17.2	80.8	0.4	0.65
SF0241_	APE_113-APE_116	18.7	76.5	0.4	0.65
SF0242_	APE_116-APE_117	16.8	76.4	0.4	0.65
SF0243_	APE_113-APE_117	20.0	74.2	0.4	0.65
SF0244_	APE_116-APE_118	28.4	77.0	0.4	0.65
SF0245_	APE_44-APE_116	53.0	79.0	0.4	0.65
SF0246_	APE_45-APE_119	27.2	78.9	0.4	0.65
SF0247_	APE_45-APE_120	40.8	87.3	0.4	0.65
SF0248_	APE_45-APE_120	40.8	100.9	0.4	0.65
SF0249_	APE_120-APE_121	37.6	84.5	0.4	0.65
SF0250_	APE_122-APE_123	24.0	87.9	0.4	0.65
SF0251_	APE_124-APE_254	2.0	47.8	0.4	0.65
SF0252_	APE_125-APE_126	44.8	53.1	0.4	0.65
SF0253_	APE_126-APE_127	41.4	52.1	0.4	0.65
SF0254_	APE_127-APE_128	47.2	50.3	0.4	0.65
SF0255_	APE_128-APE_132	46.6	50.3	0.4	0.65
SF0256_	APE_128-APE_129	30.4	50.0	0.4	0.65
SF0257_	APE_126-APE_130	29.6	54.0	0.4	0.65
SF0258_	APE_130-APE_131	38.0	53.7	0.4	0.65
SF0259_	APE_127-APE_131	58.4	51.8	0.4	0.65
SF0260_	APE_128-APE_131	16.3	50.7	0.4	0.65
SF0261_	APE_131-APE_132	4.4	50.8	0.4	0.65
SF0262_	APE_131-APE_135	64.8	51.1	0.4	0.65
SF0263_	APE_135-APE_132	23.8	50.9	0.4	0.65
SF0264_	APE_132-APE_129	73.2	49.8	0.4	0.65
SF0265_	APE_125-APE_130	59.4	57.1	0.4	0.65
SF0266_	APE_130-APE_134	53.1	54.7	0.4	0.65
SF0267_	APE_134-APE_135	18.0	54.4	0.4	0.65
SF0268_	APE_135-APE_136	45.4	53.9	0.4	0.65
SF0269_	APE_135-APE_137	50.8	51.2	0.4	0.65
SF0270_	APE_132-APE_137	32.4	50.7	0.4	0.65
SF0271_	APE_137-APE_138	84.0	50.9	0.4	0.65
SF0272_	APE_132-APE_138	22.8	49.8	0.4	0.65
SF0273_	APE_138-APE_129	4.8	49.5	0.4	0.65
SF0274_	APE_138-APE_255	45.0	49.8	0.4	0.65
SF0275_	APE_125-APE_133	92.6	57.9	0.4	0.65
SF0276_	APE_133-APE_134	40.6	57.6	0.4	0.65
SF0277_	APE_134-APE_136	68.0	54.5	0.4	0.65
SF0278_	APE_136-APE_137	56.6	53.5	0.4	0.65
SF0279_	APE_133-APE_134	40.6	57.7	0.4	0.65
SF0280_	APE_133-APE_140	53.8	58.1	0.4	0.65

SF0281_	APE_134-APE_140	37.4	56.6	0.4	0.65
SF0282_	APE_140-APE_142	31.2	56.4	0.4	0.65
SF0283_	APE_136-APE_142	31.4	54.7	0.4	0.65
SF0284_	APE_137-APE_142	19.2	53.3	0.4	0.65
SF0285_	APE_142-APE_143	25.2	53.4	0.4	0.65
SF0286_	APE_137-APE_143	31.6	52.1	0.4	0.65
SF0287_	APE_139-APE_140	13.5	61.9	0.4	0.65
SF0288_	APE_141-APE_144	33.4	58.3	0.4	0.65
SF0289_	APE_144-APE_145	33.0	56.2	0.4	0.65
SF0290_	APE_144-APE_147	39.0	56.9	0.4	0.65
SF0291_	APE_145-APE_148	41.6	54.7	0.4	0.65
SF0292_	APE_145-APE_146	26.6	54.3	0.4	0.65
SF0293_	APE_148-APE_146	18.5	54.4	0.4	0.65
SF0294_	APE_149-APE_150	21.2	64.1	0.4	0.65
SF0295_	APE_150-APE_141	37.6	62.0	0.4	0.65
SF0296_	APE_141-APE_147	78.6	58.9	0.4	0.65
SF0297_	APE_147-APE_148	51.2	56.6	0.4	0.65
SF0298_	APE_148-APE_146	18.5	54.1	0.4	0.65
SF0299_	APE_151-APE_149	19.4	66.9	0.4	0.65
SF0300_	APE_151-APE_152	32.1	67.3	0.4	0.65
SF0301_	APE_149-APE_152	38.8	64.6	0.4	0.65
SF0302_	APE_149-APE_150	21.0	64.0	0.4	0.65
SF0303_	APE_152-APE_150	33.6	64.3	0.4	0.65
SF0304_	APE_150-APE_141	37.6	61.9	0.4	0.65
SF0305_	APE_153-APE_154	20.2	61.5	0.4	0.65
SF0306_	APE_154-APE_155	11.2	60.4	0.4	0.65
SF0307_	APE_154-APE_161	23.0	59.9	0.4	0.65
SF0308_	APE_155-APE_161	11.2	59.2	0.4	0.65
SF0309_	APE_155-APE_162	23.8	58.2	0.4	0.65
SF0310_	APE_155-APE_156	11.2	56.8	0.4	0.65
SF0311_	APE_155-APE_163	30.0	57.0	0.4	0.65
SF0312_	APE_83-APE_151	37.9	69.1	0.4	0.65
SF0313_	APE_89-APE_153	27.8	68.7	0.4	0.65
SF0314_	APE_153-APE_159	42.0	65.5	0.4	0.65
SF0315_	APE_159-APE_160	59.3	65.2	0.4	0.65
SF0316_	APE_160-APE_161	29.0	61.8	0.4	0.65
SF0317_	APE_161-APE_162	44.0	59.7	0.4	0.65
SF0318_	APE_161-APE_162	44.0	59.4	0.4	0.65
SF0319_	APE_162-APE_163	85.0	57.2	0.4	0.65
SF0320_	APE_163-APE_164	95.6	54.6	0.4	0.65
SF0321_	APE_89-APE_158	37.4	70.8	0.4	0.65
SF0322_	APE_98-APE_158	56.6	71.0	0.4	0.65
SF0323_	APE_158-APE_159	1.2	68.8	0.4	0.65
SF0324_	APE_160-APE_161	29.0	63.6	0.4	0.65
SF0325_	APE_165-APE_413	1.3	68.9	0.4	0.65
SF0326_	APE_165-APE_166	1.3	68.9	0.4	0.65
SF0327_	APE_413-APE_166	50.2	64.6	0.4	0.65

SF0328_	APE_413-APE_167	38.7	62.5	0.4	0.65
SF0329_	APE_413-APE_168	9.8	62.9	0.4	0.65
SF0330_	APE_168-APE_169	68.0	56.8	0.4	0.65
SF0331_	APE_169-APE_170	50.0	55.0	0.4	0.65
SF0332_	APE_102-APE_165	27.7	72.7	0.4	0.65
SF0333_	APE_102-APE_107	30.4	72.8	0.4	0.65
SF0334_	APE_107-APE_165	9.1	72.4	0.4	0.65
SF0335_	APE_107-APE_171	25.0	73.2	0.4	0.65
SF0336_	APE_171-APE_165	28.4	71.5	0.4	0.65
SF0337_	APE_171-APE_172	22.6	71.6	0.4	0.65
SF0338_	APE_165-APE_172	22.4	68.9	0.4	0.65
SF0339_	APE_172-APE_173	13.4	68.0	0.4	0.65
SF0340_	APE_165-APE_173	22.0	66.9	0.4	0.65
SF0341_	APE_165-APE_167	1.0	65.0	0.4	0.65
SF0342_	APE_165-APE_175	69.6	62.8	0.4	0.65
SF0343_	APE_165-APE_175	25.0	63.5	0.4	0.65
SF0344_	APE_174-APE_175	2.0	62.2	0.4	0.65
SF0345_	APE_183-APE_175	9.3	61.8	0.4	0.65
SF0346_	APE_174-APE_183	24.0	62.4	0.4	0.65
SF0347_	APE_167-APE_175	47.6	60.3	0.4	0.65
SF0348_	APE_167-APE_168	67.8	58.8	0.4	0.65
SF0349_	APE_167-APE_176	24.1	58.6	0.4	0.65
SF0350_	APE_175-APE_176	35.2	59.2	0.4	0.65
SF0351_	APE_175-APE_184	36.2	59.4	0.4	0.65
SF0352_	APE_176-APE_177	36.6	58.2	0.4	0.65
SF0353_	APE_176-APE_185	25.0	58.2	0.4	0.65
SF0354_	APE_168-APE_177	32.2	58.0	0.4	0.65
SF0355_	APE_177-APE_169	23.2	57.7	0.4	0.65
SF0356_	APE_177-APE_178	25.0	54.5	0.4	0.65
SF0357_	APE_177-APE_185	33.8	54.6	0.4	0.65
SF0358_	APE_178-APE_185	17.2	54.2	0.4	0.65
SF0359_	APE_110-APE_171	27.6	73.4	0.4	0.65
SF0360_	APE_112-APE_179	8.3	72.4	0.4	0.65
SF0361_	APE_112-APE_114	46.0	72.3	0.4	0.65
SF0362_	APE_172-APE_179	41.4	70.6	0.4	0.65
SF0363_	APE_179-APE_173	23.2	68.2	0.4	0.65
SF0364_	APE_179-APE_180	30.0	69.5	0.4	0.65
SF0365_	APE_180-APE_181	16.9	69.3	0.4	0.65
SF0366_	APE_173-APE_174	34.2	66.4	0.4	0.65
SF0367_	APE_173-APE_181	32.8	66.5	0.4	0.65
SF0368_	APE_174-APE_182	35.7	64.0	0.4	0.65
SF0369_	APE_182-APE_183	23.6	62.4	0.4	0.65
SF0370_	APE_182-APE_187	35.4	62.7	0.4	0.65
SF0371_	APE_187-APE_183	11.4	62.2	0.4	0.65
SF0372_	APE_183-APE_189	26.4	60.2	0.4	0.65
SF0373_	APE_183-APE_184	2.0	60.1	0.4	0.65
SF0374_	APE_184-APE_185	39.6	57.3	0.4	0.65

SF0375_	APE_184-APE_191	42.2	57.2	0.4	0.65
SF0376_	APE_166-APE_167	82.4	62.2	0.4	0.65
SF0377_	APE_114-APE_179	15.0	71.7	0.4	0.65
SF0378_	APE_114-APE_115	43.0	71.7	0.4	0.65
SF0379_	APE_115-APE_180	15.4	70.5	0.4	0.65
SF0380_	APE_115-APE_194	41.3	70.4	0.4	0.65
SF0381_	APE_194-APE_186	13.6	69.3	0.4	0.65
SF0382_	APE_194-APE_195	20.4	69.9	0.4	0.65
SF0383_	APE_180-APE_186	24.7	69.3	0.4	0.65
SF0384_	APE_186-APE_181	8.0	68.8	0.4	0.65
SF0385_	APE_181-APE_182	24.0	65.9	0.4	0.65
SF0386_	APE_181-APE_187	33.2	66.1	0.4	0.65
SF0387_	APE_187-APE_189	11.6	61.7	0.4	0.65
SF0388_	APE_187-APE_188	63.6	61.7	0.4	0.65
SF0389_	APE_189-APE_190	26.1	60.5	0.4	0.65
SF0390_	APE_189-APE_184	2.0	60.4	0.4	0.65
SF0391_	APE_190-APE_191	1.0	58.9	0.4	0.65
SF0392_	APE_190-APE_191	1.0	59.2	0.4	0.65
SF0393_	APE_188-APE_190	47.8	58.8	0.4	0.65
SF0394_	APE_191-APE_185	29.4	55.1	0.4	0.65
SF0395_	APE_185-APE_192	36.0	54.8	0.4	0.65
SF0396_	APE_191-APE_192	25.6	54.7	0.4	0.65
SF0397_	APE_191-APE_193	3.0	54.6	0.4	0.65
SF0398_	APE_117-APE_118	23.4	75.2	0.4	0.65
SF0399_	APE_118-APE_119	32.2	74.6	0.4	0.65
SF0400_	APE_119-APE_196	18.6	74.0	0.4	0.65
SF0401_	APE_195-APE_196	21.0	72.4	0.4	0.65
SF0402_	APE_195-APE_186	13.2	69.0	0.4	0.65
SF0403_	APE_195-APE_196	21.0	69.4	0.4	0.65
SF0404_	APE_196-APE_197	27.0	69.1	0.4	0.65
SF0405_	APE_196-APE_197	9.0	69.9	0.4	0.65
SF0406_	APE_196-APE_203	8.1	70.2	0.4	0.65
SF0407_	APE_196-APE_202	21.2	71.5	0.4	0.65
SF0408_	APE_202-APE_203	29.4	71.2	0.4	0.65
SF0409_	APE_197-APE_203	19.4	67.4	0.4	0.65
SF0410_	APE_203-APE_204	30.0	67.5	0.4	0.65
SF0411_	APE_197-APE_204	18.8	65.1	0.4	0.65
SF0412_	APE_197-APE_205	19.5	64.7	0.4	0.65
SF0413_	APE_204-APE_205	33.0	65.0	0.4	0.65
SF0414_	APE_205-APE_206	18.5	62.6	0.4	0.65
SF0415_	APE_205-APE_207	44.6	62.9	0.4	0.65
SF0416_	APE_197-APE_206	20.5	61.8	0.4	0.65
SF0417_	APE_188-APE_198	21.0	61.5	0.4	0.65
SF0418_	APE_206-APE_207	23.0	61.0	0.4	0.65
SF0419_	APE_188-APE_198	21.0	59.3	0.4	0.65
SF0420_	APE_198-APE_191	13.8	59.2	0.4	0.65
SF0421_	APE_206-APE_208	15.4	58.4	0.4	0.65

SF0422_	APE_206-APE_207	23.0	58.3	0.4	0.65
SF0423_	APE_207-APE_208	6.0	58.2	0.4	0.65
SF0424_	APE_27-APE_209	23.0	58.5	0.4	0.65
SF0425_	APE_209-APE_208	25.6	58.1	0.4	0.65
SF0426_	APE_208-APE_210	63.0	57.6	0.4	0.65
SF0427_	APE_210-APE_211	43.0	55.0	0.4	0.65
SF0428_	APE_210-APE_211	43.0	54.1	0.4	0.65
SF0429_	APE_120-APE_200	21.8	84.2	0.4	0.65
SF0430_	APE_119-APE_200	19.8	78.0	0.4	0.65
SF0431_	APE_200-APE_199	19.8	76.6	0.4	0.65
SF0432_	APE_200-APE_121	30.2	76.7	0.4	0.65
SF0433_	APE_119-APE_199	13.0	74.7	0.4	0.65
SF0434_	APE_199-APE_196	20.7	74.5	0.4	0.65
SF0435_	APE_199-APE_201	16.2	74.6	0.4	0.65
SF0436_	APE_121-APE_201	20.8	76.2	0.4	0.65
SF0437_	APE_121-APE_212	33.4	76.5	0.4	0.65
SF0438_	APE_212-APE_214	24.5	75.8	0.4	0.65
SF0439_	APE_201-APE_214	16.1	74.3	0.4	0.65
SF0440_	APE_201-APE_202	24.0	74.4	0.4	0.65
SF0441_	APE_202-APE_203	29.4	69.3	0.4	0.65
SF0442_	APE_202-APE_215	22.4	69.3	0.4	0.65
SF0443_	APE_215-APE_203	2.8	68.8	0.4	0.65
SF0444_	APE_203-APE_204	30.0	67.7	0.4	0.65
SF0445_	APE_203-APE_216	19.0	67.2	0.4	0.65
SF0446_	APE_204-APE_216	6.0	66.1	0.4	0.65
SF0447_	APE_204-APE_205	33.0	66.1	0.4	0.65
SF0448_	APE_205-APE_216	19.6	64.0	0.4	0.65
SF0449_	APE_207-APE_218	10.8	62.0	0.4	0.65
SF0450_	APE_207-APE_209	23.0	61.0	0.4	0.65
SF0451_	APE_218-APE_209	21.0	58.1	0.4	0.65
SF0452_	APE_218-APE_219	30.0	58.2	0.4	0.65
SF0453_	APE_209-APE_219	9.3	57.1	0.4	0.65
SF0454_	APE_209-APE_208	25.6	57.6	0.4	0.65
SF0455_	APE_208-APE_219	16.4	56.1	0.4	0.65
SF0456_	APE_219-APE_210	1.0	55.1	0.4	0.65
SF0457_	APE_220-APE_221	1.0	55.5	0.4	0.65
SF0458_	APE_118-APE_195	30.8	73.7	0.4	0.65
SF0459_	APE_123-APE_212	16.4	82.1	0.4	0.65
SF0460_	APE_123-APE_222	6.8	102.9	0.4	0.65
SF0461_	APE_122-APE_222	17.2	103.7	0.4	0.65
SF0462_	APE_123-APE_213	14.2	87.5	0.4	0.65
SF0463_	APE_123-APE_222	16.6	99.7	0.4	0.65
SF0464_	APE_212-APE_213	31.2	78.6	0.4	0.65
SF0465_	APE_213-APE_214	37.4	78.6	0.4	0.65
SF0466_	APE_213-APE_222	22.4	96.6	0.4	0.65
SF0467_	APE_213-APE_222	22.4	85.9	0.4	0.65
SF0468_	APE_202-APE_214	36.0	73.2	0.4	0.65

SF0469_	APE_222-APE_214	28.0	82.2	0.4	0.65
SF0470_	APE_214-APE_215	32.6	69.5	0.4	0.65
SF0471_	APE_214-APE_223	51.0	70.9	0.4	0.65
SF0472_	APE_215-APE_216	28.4	65.7	0.4	0.65
SF0473_	APE_215-APE_223	23.9	65.8	0.4	0.65
SF0474_	APE_216-APE_217	30.0	65.2	0.4	0.65
SF0475_	APE_216-APE_219	14.0	64.0	0.4	0.65
SF0476_	APE_217-APE_218	33.2	62.0	0.4	0.65
SF0477_	APE_217-APE_219	18.0	62.8	0.4	0.65
SF0478_	APE_218-APE_219	30.0	61.7	0.4	0.65
SF0479_	APE_223-APE_220	24.0	57.8	0.4	0.65
SF0480_	APE_220-APE_224	42.8	55.3	0.4	0.65
SF0481_	APE_222-APE_214	28.0	86.5	0.4	0.65
SF0482_	APE_222-APE_225	36.2	90.0	0.4	0.65
SF0483_	APE_214-APE_225	14.1	76.1	0.4	0.65
SF0484_	APE_223-APE_226	31.2	67.3	0.4	0.65
SF0485_	APE_223-APE_226	31.2	59.9	0.4	0.65
SF0486_	APE_226-APE_227	30.6	59.7	0.4	0.65
SF0487_	APE_223-APE_224	31.2	57.3	0.4	0.65
SF0488_	APE_224-APE_227	13.8	55.9	0.4	0.65
SF0489_	APE_227-APE_228	19.6	55.9	0.4	0.65
SF0490_	APE_224-APE_228	28.0	54.9	0.4	0.65
SF0491_	APE_224-APE_221	1.0	55.2	0.4	0.65
SF0492_	APE_228-APE_302	83.6	54.6	0.4	0.65
SF0493_	APE_229-APE_225	37.2	87.7	0.4	0.65
SF0494_	APE_229-APE_230	25.2	84.5	0.4	0.65
SF0495_	APE_229-APE_230	25.2	79.2	0.4	0.65
SF0496_	APE_232-APE_234	31.7	72.0	0.4	0.65
SF0497_	APE_225-APE_226	50.0	71.8	0.4	0.65
SF0498_	APE_225-APE_230	32.0	69.4	0.4	0.65
SF0499_	APE_230-APE_226	34.6	67.5	0.4	0.65
SF0500_	APE_230-APE_233	29.4	67.0	0.4	0.65
SF0501_	APE_230-APE_231	2.8	66.6	0.4	0.65
SF0502_	APE_233-APE_231	4.2	66.6	0.4	0.65
SF0503_	APE_234-APE_235	12.6	67.7	0.4	0.65
SF0504_	APE_234-APE_241	38.3	68.4	0.4	0.65
SF0505_	APE_241-APE_235	56.4	68.3	0.4	0.65
SF0506_	APE_226-APE_231	52.6	65.6	0.4	0.65
SF0507_	APE_235-APE_236	47.4	64.8	0.4	0.65
SF0508_	APE_226-APE_231	52.6	60.0	0.4	0.65
SF0509_	APE_235-APE_237	29.4	65.4	0.4	0.65
SF0510_	APE_227-APE_231	26.4	58.2	0.4	0.65
SF0511_	APE_237-APE_238	31.8	62.4	0.4	0.65
SF0512_	APE_227-APE_231	26.4	56.0	0.4	0.65
SF0513_	APE_231-APE_228	34.0	56.1	0.4	0.65
SF0514_	APE_230-APE_233	29.4	72.9	0.4	0.65
SF0515_	APE_236-APE_237	32.2	62.7	0.4	0.65

SF0516_	APE_232-APE_239	31.2	101.3	0.4	0.65
SF0517_	APE_232-APE_240	30.0	89.8	0.4	0.65
SF0518_	APE_240-APE_241	40.0	82.0	0.4	0.65
SF0519_	APE_232-APE_234	31.7	71.8	0.4	0.65
SF0520_	APE_232-APE_241	81.6	72.9	0.4	0.65
SF0521_	APE_240-APE_241	40.0	80.1	0.4	0.65
SF0522_	APE_240-APE_247	18.9	80.2	0.4	0.65
SF0523_	APE_241-APE_247	50.6	77.5	0.4	0.65
SF0524_	APE_235-APE_242	24.6	67.0	0.4	0.65
SF0525_	APE_241-APE_242	17.2	69.4	0.4	0.65
SF0526_	APE_241-APE_247	50.6	70.0	0.4	0.65
SF0527_	APE_237-APE_242	26.8	64.4	0.4	0.65
SF0528_	APE_242-APE_243	55.2	65.1	0.4	0.65
SF0529_	APE_247-APE_242	43.4	68.0	0.4	0.65
SF0530_	APE_247-APE_250	14.4	68.1	0.4	0.65
SF0531_	APE_242-APE_250	13.0	66.1	0.4	0.65
SF0532_	APE_243-APE_250	27.6	64.3	0.4	0.65
SF0533_	APE_239-APE_240	80.0	91.9	0.4	0.65
SF0534_	APE_239-APE_244	49.0	93.3	0.4	0.65
SF0535_	APE_244-APE_240	18.8	90.0	0.4	0.65
SF0536_	APE_245-APE_246	57.2	90.7	0.4	0.65
SF0537_	APE_239-APE_244	49.0	112.7	0.4	0.65
SF0538_	APE_246-APE_248	94.0	78.7	0.4	0.65
SF0539_	APE_247-APE_249	72.0	69.1	0.4	0.65
SF0540_	APE_249-APE_251	21.6	68.5	0.4	0.65
SF0541_	APE_248-APE_252	11.4	66.1	0.4	0.65
SF0542_	APE_248-APE_253	107.1	67.0	0.4	0.65
SF0543_	APE_253-APE_252	15.4	66.8	0.4	0.65
SF0544_	APE_124-APE_254	2.0	47.0	0.4	0.65
SF0545_	APE_124-APE_254	1.2	47.4	0.4	0.65
SF0546_	APE_129-APE_256	1.0	49.1	0.4	0.65
SF0547_	APE_129-APE_255	62.0	50.2	0.4	0.65
SF0548_	APE_255-APE_256	1.0	49.1	0.4	0.65
SF0549_	APE_255-APE_256	86.0	49.6	0.4	0.65
SF0550_	APE_256-APE_257	33.6	49.4	0.4	0.65
SF0551_	APE_138-APE_143	44.0	50.6	0.4	0.65
SF0552_	APE_138-APE_255	45.0	50.5	0.4	0.65
SF0553_	APE_146-APE_258	48.0	51.5	0.4	0.65
SF0554_	APE_258-APE_157	13.7	51.5	0.4	0.65
SF0555_	APE_258-APE_260	7.5	51.1	0.4	0.65
SF0556_	APE_255-APE_143	70.6	49.7	0.4	0.65
SF0557_	APE_255-APE_257	25.2	49.3	0.4	0.65
SF0558_	APE_258-APE_259	6.0	49.3	0.4	0.65
SF0559_	APE_261-APE_262	50.6	49.0	0.4	0.65
SF0560_	APE_262-APE_263	48.0	47.6	0.4	0.65
SF0561_	APE_262-APE_263	48.0	47.6	0.4	0.65
SF0562_	APE_263-APE_274	40.4	47.4	0.4	0.65

SF0563_	APE_164-APE_157	41.6	53.8	0.4	0.65
SF0564_	APE_164-APE_264	44.0	53.8	0.4	0.65
SF0565_	APE_157-APE_264	20.6	52.7	0.4	0.65
SF0566_	APE_157-APE_260	75.6	50.3	0.4	0.65
SF0567_	APE_157-APE_265	49.1	51.2	0.4	0.65
SF0568_	APE_265-APE_266	20.5	50.9	0.4	0.65
SF0569_	APE_265-APE_264	62.0	51.4	0.4	0.65
SF0570_	APE_264-APE_267	62.0	51.3	0.4	0.65
SF0571_	APE_266-APE_260	38.7	49.2	0.4	0.65
SF0572_	APE_266-APE_268	11.4	49.6	0.4	0.65
SF0573_	APE_266-APE_267	34.0	49.9	0.4	0.65
SF0574_	APE_267-APE_268	13.8	49.9	0.4	0.65
SF0575_	APE_260-APE_261	83.0	48.9	0.4	0.65
SF0576_	APE_260-APE_268	26.9	48.7	0.4	0.65
SF0577_	APE_260-APE_270	12.1	48.7	0.4	0.65
SF0578_	APE_268-APE_270	36.1	48.7	0.4	0.65
SF0579_	APE_268-APE_269	39.3	49.3	0.4	0.65
SF0580_	APE_269-APE_271	30.4	49.7	0.4	0.65
SF0581_	APE_261-APE_270	25.2	47.5	0.4	0.65
SF0582_	APE_270-APE_272	52.4	47.4	0.4	0.65
SF0583_	APE_270-APE_271	23.9	49.1	0.4	0.65
SF0584_	APE_271-APE_276	32.1	49.3	0.4	0.65
SF0585_	APE_261-APE_272	37.8	47.6	0.4	0.65
SF0586_	APE_261-APE_262	16.9	48.1	0.4	0.65
SF0587_	APE_262-APE_273	16.9	47.2	0.4	0.65
SF0588_	APE_273-APE_274	54.6	47.1	0.4	0.65
SF0589_	APE_272-APE_273	2.0	47.3	0.4	0.65
SF0590_	APE_272-APE_276	46.4	47.8	0.4	0.65
SF0591_	APE_276-APE_275	23.8	48.0	0.4	0.65
SF0592_	APE_273-APE_275	12.2	47.6	0.4	0.65
SF0593_	APE_275-APE_358	11.4	47.6	0.4	0.65
SF0594_	APE_257-APE_358	11.4	47.6	0.4	0.65
SF0595_	APE_275-APE_359	9.9	47.7	0.4	0.65
SF0596_	APE_164-APE_264	44.0	53.3	0.4	0.65
SF0597_	APE_267-APE_269	34.6	50.9	0.4	0.65
SF0598_	APE_271-APE_277	21.5	50.7	0.4	0.65
SF0599_	APE_169-APE_170	30.0	54.8	0.4	0.65
SF0600_	APE_170-APE_281	90.4	51.1	0.4	0.65
SF0601_	APE_170-APE_278	16.8	52.4	0.4	0.65
SF0602_	APE_281-APE_278	50.8	50.4	0.4	0.65
SF0603_	APE_278-APE_279	81.4	47.9	0.4	0.65
SF0606_	APE_169-APE_178	50.8	53.3	0.4	0.65
SF0607_	APE_169-APE_281	20.4	53.1	0.4	0.65
SF0608_	APE_178-APE_281	23.0	52.0	0.4	0.65
SF0609_	APE_283-APE_281	28.2	50.9	0.4	0.65
SF0610_	APE_281-APE_282	69.7	48.8	0.4	0.65
SF0611_	APE_282-APE_279	24.6	48.4	0.4	0.65

SF0612_	APE_284-APE_285	36.0	48.2	0.4	0.65
SF0613_	APE_282-APE_283	41.1	49.9	0.4	0.65
SF0614_	APE_185-APE_283	59.8	52.5	0.4	0.65
SF0615_	APE_185-APE_192	36.0	52.6	0.4	0.65
SF0616_	APE_192-APE_283	23.6	52.3	0.4	0.65
SF0617_	APE_192-APE_193	66.2	52.4	0.4	0.65
SF0618_	APE_283-APE_284	37.9	49.6	0.4	0.65
SF0619_	APE_283-APE_193	67.0	49.8	0.4	0.65
SF0620_	APE_284-APE_193	21.3	49.0	0.4	0.65
SF0621_	APE_193-APE_286	53.0	48.7	0.4	0.65
SF0622_	APE_284-APE_286	56.4	48.4	0.4	0.65
SF0623_	APE_287-APE_288	19.0	48.5	0.4	0.65
SF0624_	APE_287-APE_295	49.0	48.1	0.4	0.65
SF0625_	APE_286-APE_289	49.7	48.1	0.4	0.65
SF0626_	APE_288-APE_290	24.0	48.6	0.4	0.65
SF0627_	APE_298-APE_288	27.5	47.5	0.4	0.65
SF0628_	APE_290-APE_289	19.2	45.6	0.4	0.65
SF0629_	APE_288-APE_290	24.0	47.7	0.4	0.65
SF0630_	APE_298-APE_291	16.6	46.6	0.4	0.65
SF0631_	APE_298-APE_374	24.6	46.5	0.4	0.65
SF0632_	APE_278-APE_282	21.6	48.6	0.4	0.65
SF0634_	APE_287-APE_295	49.0	50.2	0.4	0.65
SF0636_	APE_295-APE_288	35.8	47.6	0.4	0.65
SF0637_	APE_295-APE_298	25.6	48.0	0.4	0.65
SF0638_	APE_298-APE_288	27.5	47.5	0.4	0.65
SF0639_	APE_298-APE_310	18.1	48.2	0.4	0.65
SF0640_	APE_298-APE_299	27.2	46.9	0.4	0.65
SF0641_	APE_299-APE_385	13.5	46.9	0.4	0.65
SF0644_	APE_221-APE_302	50.5	52.9	0.4	0.65
SF0647_	APE_302-APE_297	73.2	52.5	0.4	0.65
SF0649_	APE_296-APE_301	56.8	49.0	0.4	0.65
SF0650_	APE_296-APE_306	34.0	49.2	0.4	0.65
SF0651_	APE_300-APE_301	46.4	48.0	0.4	0.65
SF0652_	APE_301-APE_306	32.6	48.3	0.4	0.65
SF0653_	APE_300-APE_310	47.6	47.4	0.4	0.65
SF0654_	APE_300-APE_306	31.6	47.4	0.4	0.65
SF0655_	APE_306-APE_310	32.6	47.2	0.4	0.65
SF0656_	APE_231-APE_228	34.0	57.7	0.4	0.65
SF0657_	APE_236-APE_412	15.6	57.0	0.4	0.65
SF0658_	APE_236-APE_238	85.8	57.2	0.4	0.65
SF0659_	APE_238-APE_412	29.4	57.3	0.4	0.65
SF0660_	APE_412-APE_303	42.7	58.0	0.4	0.65
SF0661_	APE_303-APE_312	92.6	52.8	0.4	0.65
SF0662_	APE_312-APE_316	10.4	52.9	0.4	0.65
SF0663_	APE_312-APE_313	54.0	53.6	0.4	0.65
SF0664_	APE_313-APE_316	28.8	53.2	0.4	0.65
SF0668_	APE_303-APE_320	3.2	50.6	0.4	0.65

SF0669_	APE_303-APE_316	50.0	50.5	0.4	0.65
SF0670_	APE_316-APE_320	16.6	50.5	0.4	0.65
SF0672_	APE_307-APE_308	35.8	48.8	0.4	0.65
SF0673_	APE_307-APE_311	6.6	47.9	0.4	0.65
SF0674_	APE_307-APE_309	22.8	48.4	0.4	0.65
SF0675_	APE_308-APE_309	32.4	48.4	0.4	0.65
SF0676_	APE_308-APE_320	33.0	49.1	0.4	0.65
SF0677_	APE_308-APE_324	9.2	48.8	0.4	0.65
SF0678_	APE_309-APE_311	32.0	47.8	0.4	0.65
SF0679_	APE_309-APE_324	14.4	48.2	0.4	0.65
SF0680_	APE_309-APE_325	8.2	48.0	0.4	0.65
SF0681_	APE_412-APE_312	6.6	58.6	0.4	0.65
SF0682_	APE_238-APE_312	10.4	58.7	0.4	0.65
SF0683_	APE_238-APE_243	85.0	59.0	0.4	0.65
SF0684_	APE_243-APE_312	48.4	58.6	0.4	0.65
SF0685_	APE_312-APE_314	24.8	54.6	0.4	0.65
SF0686_	APE_312-APE_315	19.0	55.0	0.4	0.65
SF0687_	APE_313-APE_314	31.6	53.5	0.4	0.65
SF0688_	APE_314-APE_317	24.5	53.0	0.4	0.65
SF0689_	APE_314-APE_315	30.9	53.0	0.4	0.65
SF0690_	APE_315-APE_318	27.8	52.9	0.4	0.65
SF0691_	APE_315-APE_319	31.2	54.3	0.4	0.65
SF0692_	APE_317-APE_322	7.0	50.7	0.4	0.65
SF0693_	APE_317-APE_318	56.2	50.7	0.4	0.65
SF0694_	APE_318-APE_322	17.6	50.7	0.4	0.65
SF0695_	APE_318-APE_319	63.3	51.2	0.4	0.65
SF0696_	APE_319-APE_322	29.6	50.7	0.4	0.65
SF0697_	APE_319-APE_323	39.2	50.6	0.4	0.65
SF0698_	APE_322-APE_400	54.0	48.9	0.4	0.65
SF0699_	APE_322-APE_399	6.8	48.8	0.4	0.65
SF0700_	APE_321-APE_322	50.8	48.8	0.4	0.65
SF0701_	APE_316-APE_320	16.6	50.6	0.4	0.65
SF0702_	APE_316-APE_317	54.0	50.6	0.4	0.65
SF0703_	APE_317-APE_321	17.8	50.5	0.4	0.65
SF0704_	APE_320-APE_324	34.4	48.8	0.4	0.65
SF0705_	APE_320-APE_321	52.4	48.8	0.4	0.65
SF0706_	APE_324-APE_325	38.0	48.1	0.4	0.65
SF0707_	APE_324-APE_399	26.6	48.1	0.4	0.65
SF0708_	APE_321-APE_399	22.8	49.0	0.4	0.65
SF0709_	APE_250-APE_326	16.2	64.4	0.4	0.65
SF0710_	APE_243-APE_326	23.0	63.5	0.4	0.65
SF0711_	APE_243-APE_326	23.0	61.4	0.4	0.65
SF0712_	APE_243-APE_329	1.2	60.0	0.4	0.65
SF0713_	APE_243-APE_329	1.0	59.8	0.4	0.65
SF0714_	APE_312-APE_329	24.0	62.3	0.4	0.65
SF0715_	APE_312-APE_329	24.0	58.6	0.4	0.65
SF0716_	APE_329-APE_331	23.8	58.1	0.4	0.65

SF0717_	APE_312-APE_331	25.6	57.5	0.4	0.65
SF0718_	APE_329-APE_331	23.8	58.7	0.4	0.65
SF0719_	APE_329-APE_330	26.4	58.8	0.4	0.65
SF0720_	APE_312-APE_331	25.6	55.7	0.4	0.65
SF0721_	APE_331-APE_330	29.0	57.6	0.4	0.65
SF0722_	APE_331-APE_319	30.0	55.5	0.4	0.65
SF0723_	APE_330-APE_332	28.6	57.6	0.4	0.65
SF0724_	APE_331-APE_319	30.0	55.5	0.4	0.65
SF0725_	APE_331-APE_332	29.0	55.5	0.4	0.65
SF0726_	APE_319-APE_332	34.2	53.6	0.4	0.65
SF0727_	APE_332-APE_333	42.2	53.4	0.4	0.65
SF0728_	APE_319-APE_333	28.0	53.2	0.4	0.65
SF0729_	APE_319-APE_333	28.0	51.4	0.4	0.65
SF0730_	APE_250-APE_251	32.4	65.4	0.4	0.65
SF0731_	APE_251-APE_327	17.8	65.4	0.4	0.65
SF0732_	APE_326-APE_327	25.2	63.4	0.4	0.65
SF0733_	APE_327-APE_328	19.9	63.4	0.4	0.65
SF0734_	APE_326-APE_328	22.6	62.7	0.4	0.65
SF0735_	APE_326-APE_329	24.0	67.5	0.4	0.65
SF0736_	APE_329-APE_330	26.4	61.4	0.4	0.65
SF0737_	APE_328-APE_330	26.0	66.6	0.4	0.65
SF0738_	APE_253-APE_337	43.2	66.8	0.4	0.65
SF0739_	APE_252-APE_337	22.0	64.5	0.4	0.65
SF0740_	APE_337-APE_334	27.1	64.4	0.4	0.65
SF0741_	APE_252-APE_334	45.6	62.5	0.4	0.65
SF0742_	APE_334-APE_339	21.2	62.0	0.4	0.65
SF0743_	APE_334-APE_340	12.6	61.0	0.4	0.65
SF0744_	APE_334-APE_335	22.8	61.4	0.4	0.65
SF0745_	APE_340-APE_335	39.3	59.2	0.4	0.65
SF0746_	APE_335-APE_341	52.0	55.5	0.4	0.65
SF0747_	APE_335-APE_341	52.0	55.2	0.4	0.65
SF0748_	APE_335-APE_336	18.9	55.4	0.4	0.65
SF0749_	APE_341-APE_336	14.0	54.1	0.4	0.65
SF0750_	APE_336-APE_344	8.4	53.5	0.4	0.65
SF0751_	APE_344-APE_345	52.0	53.4	0.4	0.65
SF0752_	APE_253-APE_346	78.2	72.8	0.4	0.65
SF0753_	APE_346-APE_338	44.0	67.8	0.4	0.65
SF0754_	APE_337-APE_338	22.8	65.4	0.4	0.65
SF0755_	APE_338-APE_339	32.0	62.4	0.4	0.65
SF0756_	APE_339-APE_340	34.0	60.8	0.4	0.65
SF0757_	APE_338-APE_339	32.0	63.0	0.4	0.65
SF0758_	APE_338-APE_342	26.0	63.4	0.4	0.65
SF0759_	APE_339-APE_340	34.0	60.8	0.4	0.65
SF0760_	APE_339-APE_342	12.2	61.2	0.4	0.65
SF0761_	APE_340-APE_341	36.0	57.4	0.4	0.65
SF0762_	APE_340-APE_342	43.0	56.9	0.4	0.65
SF0763_	APE_341-APE_343	39.0	55.2	0.4	0.65

SF0764_	APE_342-APE_343	27.4	55.4	0.4	0.65
SF0765_	APE_342-APE_351	34.4	55.3	0.4	0.65
SF0766_	APE_343-APE_344	34.0	54.5	0.4	0.65
SF0767_	APE_343-APE_344	34.0	54.0	0.4	0.65
SF0768_	APE_344-APE_355	14.0	54.5	0.4	0.65
SF0769_	APE_344-APE_355	14.0	54.3	0.4	0.65
SF0770_	APE_341-APE_344	44.4	54.0	0.4	0.65
SF0771_	APE_346-APE_338	44.0	71.3	0.4	0.65
SF0772_	APE_338-APE_350	11.6	62.4	0.4	0.65
SF0773_	APE_347-APE_349	26.6	62.2	0.4	0.65
SF0774_	APE_347-APE_348	96.0	63.9	0.4	0.65
SF0775_	APE_348-APE_349	33.8	64.5	0.4	0.65
SF0776_	APE_348-APE_357	66.8	66.6	0.4	0.65
SF0777_	APE_342-APE_350	24.6	58.3	0.4	0.65
SF0778_	APE_350-APE_351	32.0	56.8	0.4	0.65
SF0779_	APE_350-APE_352	11.2	57.3	0.4	0.65
SF0780_	APE_351-APE_352	26.0	55.0	0.4	0.65
SF0781_	APE_352-APE_353	26.6	54.8	0.4	0.65
SF0782_	APE_349-APE_357	52.8	57.2	0.4	0.65
SF0783_	APE_351-APE_343	35.4	54.2	0.4	0.65
SF0784_	APE_351-APE_353	26.8	54.2	0.4	0.65
SF0785_	APE_343-APE_355	19.0	54.1	0.4	0.65
SF0786_	APE_353-APE_355	16.0	54.3	0.4	0.65
SF0787_	APE_352-APE_354	29.4	55.4	0.4	0.65
SF0788_	APE_357-APE_358	40.0	57.1	0.4	0.65
SF0789_	APE_353-APE_355	16.0	54.6	0.4	0.65
SF0790_	APE_354-APE_355	18.5	54.9	0.4	0.65
SF0791_	APE_356-APE_409	86.5	55.1	0.4	0.65
SF0792_	APE_357-APE_358	40.0	58.6	0.4	0.65
SF0793_	APE_353-APE_354	42.2	54.4	0.4	0.65
SF0794_	APE_274-APE_358	48.7	46.4	0.4	0.65
SF0795_	APE_358-APE_359	65.0	46.2	0.4	0.65
SF0796_	APE_277-APE_276	74.4	48.0	0.4	0.65
SF0797_	APE_277-APE_360	26.2	48.1	0.4	0.65
SF0798_	APE_276-APE_359	1.0	48.5	0.4	0.65
SF0799_	APE_276-APE_360	8.4	51.0	0.4	0.65
SF0800_	APE_359-APE_361	10.2	48.0	0.4	0.65
SF0801_	APE_363-APE_362	1.2	47.9	0.4	0.65
SF0802_	APE_365-APE_366	38.2	45.1	0.4	0.65
SF0803_	APE_366-APE_368	18.7	44.7	0.4	0.65
SF0804_	APE_362-APE_367	9.6	46.0	0.4	0.65
SF0805_	APE_285-APE_264	12.2	47.2	0.4	0.65
SF0806_	APE_285-APE_289	30.3	47.0	0.4	0.65
SF0807_	APE_289-APE_364	12.6	45.5	0.4	0.65
SF0808_	APE_364-APE_369	20.3	44.8	0.4	0.65
SF0809_	APE_289-APE_369	18.4	45.3	0.4	0.65
SF0810_	APE_369-APE_370	15.2	48.8	0.4	0.65

SF0811_	APE_290-APE_289	57.6	46.0	0.4	0.65
SF0812_	APE_291-APE_373	20.6	45.9	0.4	0.65
SF0813_	APE_291-APE_374	49.5	45.9	0.4	0.65
SF0814_	APE_374-APE_373	11.6	45.9	0.4	0.65
SF0815_	APE_374-APE_386	30.0	45.9	0.4	0.65
SF0816_	APE_373-APE_376	10.1	46.0	0.4	0.65
SF0817_	APE_373-APE_375	30.0	45.6	0.4	0.65
SF0818_	APE_373-APE_380	10.6	45.6	0.4	0.65
SF0819_	APE_375-APE_380	32.2	45.3	0.4	0.65
SF0820_	APE_373-APE_377	19.3	45.6	0.4	0.65
SF0821_	APE_376-APE_377	20.8	45.5	0.4	0.65
SF0822_	APE_376-APE_378	15.6	45.4	0.4	0.65
SF0823_	APE_377-APE_378	19.4	45.8	0.4	0.65
SF0824_	APE_377-APE_380	21.0	45.8	0.4	0.65
SF0825_	APE_376-APE_379	21.4	46.0	0.4	0.65
SF0826_	APE_378-APE_379	19.6	45.6	0.4	0.65
SF0827_	APE_378-APE_380	15.0	45.8	0.4	0.65
SF0828_	APE_379-APE_380	11.6	46.0	0.4	0.65
SF0829_	APE_370-APE_371	39.5	47.6	0.4	0.65
SF0830_	APE_370-APE_381	9.0	44.4	0.4	0.65
SF0832_	APE_381-APE_371	1.2	44.0	0.4	0.65
SF0833_	APE_383-APE_384	1.2	44.5	0.4	0.65
SF0834_	APE_374-APE_385	25.2	46.0	0.4	0.65
SF0835_	APE_299-APE_385	13.5	46.9	0.4	0.65
SF0836_	APE_385-APE_386	47.5	45.5	0.4	0.65
SF0837_	APE_386-APE_375	36.4	45.5	0.4	0.65
SF0838_	APE_388-APE_389	40.7	45.0	0.4	0.65
SF0839_	APE_388-APE_390	36.2	45.2	0.4	0.65
SF0840_	APE_389-APE_392	35.2	44.7	0.4	0.65
SF0841_	APE_389-APE_382	38.8	44.8	0.4	0.65
SF0842_	APE_382-APE_392	19.7	45.1	0.4	0.65
SF0843_	APE_382-APE_383	40.4	45.5	0.4	0.65
SF0844_	APE_392-APE_383	24.2	44.9	0.4	0.65
SF0845_	APE_392-APE_393	45.0	44.9	0.4	0.65
SF0846_	APE_383-APE_384	1.6	43.6	0.4	0.65
SF0847_	APE_383-APE_384	1.4	44.3	0.4	0.65
SF0848_	APE_311-APE_394	14.6	46.9	0.4	0.65
SF0849_	APE_311-APE_325	56.8	47.1	0.4	0.65
SF0850_	APE_311-APE_394	14.6	46.9	0.4	0.65
SF0851_	APE_311-APE_398	13.1	46.9	0.4	0.65
SF0852_	APE_394-APE_387	30.0	45.5	0.4	0.65
SF0853_	APE_394-APE_395	17.5	45.6	0.4	0.65
SF0854_	APE_394-APE_398	30.4	45.7	0.4	0.65
SF0855_	APE_387-APE_388	34.4	45.4	0.4	0.65
SF0856_	APE_387-APE_395	19.0	45.4	0.4	0.65
SF0857_	APE_395-APE_390	18.1	45.4	0.4	0.65
SF0858_	APE_395-APE_396	16.8	45.5	0.4	0.65

SF0859_	APE_396-APE_391	25.4	45.4	0.4	0.65
SF0860_	APE_390-APE_392	19.4	45.0	0.4	0.65
SF0861_	APE_390-APE_391	37.0	45.1	0.4	0.65
SF0862_	APE_393-APE_397	19.8	45.1	0.4	0.65
SF0863_	APE_391-APE_393	19.9	45.0	0.4	0.65
SF0864_	APE_391-APE_397	38.7	45.1	0.4	0.65
SF0865_	APE_393-APE_397	19.8	44.8	0.4	0.65
SF0866_	APE_393-APE_383	14.4	44.6	0.4	0.65
SF0867_	APE_397-APE_383	128.7	44.5	0.4	0.65
SF0868_	APE_325-APE_398	46.0	46.3	0.4	0.65
SF0869_	APE_325-APE_399	60.2	46.4	0.4	0.65
SF0870_	APE_398-APE_399	26.0	46.0	0.4	0.65
SF0871_	APE_398-APE_399	26.0	45.5	0.4	0.65
SF0872_	APE_398-APE_397	6.8	45.5	0.4	0.65
SF0873_	APE_399-APE_397	47.2	45.5	0.4	0.65
SF0874_	APE_396-APE_397	12.4	45.6	0.4	0.65
SF0875_	APE_398-APE_396	27.2	45.5	0.4	0.65
SF0876_	APE_399-APE_400	35.0	47.7	0.4	0.65
SF0877_	APE_399-APE_401	48.0	47.4	0.4	0.65
SF0878_	APE_400-APE_401	30.8	47.8	0.4	0.65
SF0879_	APE_322-APE_323	45.7	49.5	0.4	0.65
SF0880_	APE_323-APE_400	39.4	49.7	0.4	0.65
SF0881_	APE_400-APE_401	30.8	48.3	0.4	0.65
SF0882_	APE_400-APE_401	30.8	49.1	0.4	0.65
SF0883_	APE_303-APE_404	34.4	50.0	0.4	0.65
SF0884_	APE_400-APE_404	43.8	49.3	0.4	0.65
SF0885_	APE_404-APE_402	37.8	49.3	0.4	0.65
SF0886_	APE_401-APE_399	48.0	47.9	0.4	0.65
SF0887_	APE_401-APE_402	45.6	48.0	0.4	0.65
SF0888_	APE_399-APE_397	47.2	46.1	0.4	0.65
SF0889_	APE_399-APE_402	81.0	46.3	0.4	0.65
SF0890_	APE_402-APE_397	33.6	46.3	0.4	0.65
SF0891_	APE_403-APE_410	1.0	44.4	0.4	0.65
SF0892_	APE_403-APE_410	1.8	44.8	0.4	0.65
SF0893_	APE_402-APE_403	26.0	48.1	0.4	0.65
SF0894_	APE_405-APE_403	73.2	48.2	0.4	0.65
SF0895_	APE_406-APE_411	1.2	46.5	0.4	0.65
SF0896_	APE_333-APE_404	26.6	51.1	0.4	0.65
SF0897_	APE_333-APE_407	19.5	52.0	0.4	0.65
SF0898_	APE_404-APE_407	53.2	50.5	0.4	0.65
SF0899_	APE_407-APE_402	23.2	50.6	0.4	0.65
SF0900_	APE_408-APE_405	36.8	52.0	0.4	0.65
SF0901_	APE_409-APE_406	169.6	48.2	0.4	0.65
SF0902_	APE_336-APE_345	44.2	53.0	0.4	0.65
SF0903_	APE_336-APE_408	26.2	53.1	0.4	0.65
SF0904_	APE_408-APE_345	47.7	52.3	0.4	0.65
SF0905_	APE_345-APE_405	6.4	52.1	0.4	0.65

SF0906_	APE_406-APE_411	1.3	47.9	0.4	0.65
SF0907_	APE_406-APE_411	1.4	49.3	0.4	0.65
SF0908_	APE_333-APE_323	4.0	51.3	0.4	0.65
SF0909_	APE_64-APE_71	12.8	88.7	0.4	0.65
SF0910_	APE_63-APE_52	82.6	84.4	0.4	0.65
SF0911_	APE_28-APE_25	10.4	89.2	0.4	0.65
SF0912_	APE_79-APE_86	9.6	80.4	0.4	0.65
SF0913_	APE_113-APE_115	12.4	74.0	0.4	0.65
SF0914_	APE_117-APE_194	13.4	73.9	0.4	0.65
SF0915_	APE_112-APE_172	14.2	73.3	0.4	0.65
SF0916_	APE_110-APE_112	29.8	73.9	0.4	0.65
SF0917_	APE_205-APE_218	5.8	63.2	0.4	0.65
SF0918_	APE_150-APE_154	13.4	62.1	0.4	0.65
SF0919_	APE_141-APE_154	23.4	60.7	0.4	0.65
SF0920_	APE_153-APE_160	47.2	61.7	0.4	0.65
SF0921_	APE_186-APE_187	22.4	66.6	0.4	0.65
SF0922_	APE_146-APE_414	79.0	52.1	0.4	0.65
SF0923_	APE_415-APE_146	63.0	52.9	0.4	0.65
SF0924_	SD3009_-APE_295	2.0	52.9	0.4	0.65
SF0925_	SD3008_-APE_295	1.5	53.0	0.4	0.65
SF0926_	SD3007_-APE_295	1.0	53.0	0.4	0.65
SF0927_	SD3006_-APE_295	1.0	53.0	0.4	0.65
SF0928_	SD3005_-APE_295	1.6	53.0	0.4	0.65
SF0929_	SD3004_-APE_295	1.0	53.0	0.4	0.65
SF0930_	SD3003_-APE_295	1.0	53.0	0.4	0.65
SF0931_	SD3002_-APE_295	1.5	53.0	0.4	0.65
SF0932_	SD3001_-APE_295	1.3	53.0	0.4	0.65
SF0933_	BU4016_-APE_254	15.4	48.1	0.4	0.65
SF0934_	BU4005_-APE_254	23.8	47.2	0.4	0.65
SF0935_	BU4038_-APE_124	31.1	53.3	0.4	0.65
SF0936_	BU4039_-APE_124	19.5	53.5	0.4	0.65
SF0937_	BU4040_-APE_124	19.3	53.6	0.4	0.65
SF0938_	BU4041_-APE_124	24.1	54.1	0.4	0.65
SF0939_	BU4042A_-APE_124	5.8	53.8	0.4	0.65
SF0940_	BU4043_-APE_124	5.7	54.8	0.4	0.65
SF0941_	BU4037B_-APE_124	1.0	52.3	0.4	0.65
SF0942_	BU4036_-APE_124	16.0	52.5	0.4	0.65
SF0943_	BU4035_-APE_124	15.4	52.4	0.4	0.65
SF0944_	BU4034_-APE_124	15.5	52.0	0.4	0.65
SF0945_	BU4033_-APE_124	12.2	51.6	0.4	0.65
SF0946_	BU4032B_-APE_124	1.2	51.7	0.4	0.65
SF0947_	BU4031_-APE_254	16.5	50.8	0.4	0.65
SF0948_	BU4030_-APE_254	21.3	50.4	0.4	0.65
SF0949_	BU4029_-APE_254	23.4	50.1	0.4	0.65
SF0950_	BU4028_-APE_254	27.4	50.5	0.4	0.65
SF0951_	BU4027_-APE_254	21.4	49.7	0.4	0.65
SF0952_	BU4026A_-APE_254	8.0	49.0	0.4	0.65

SF0953_	BU4025_-APE_254	7.2	49.4	0.4	0.65
SF0954_	BU4024A_-APE_254	12.4	49.3	0.4	0.65
SF0955_	BU4023_-APE_254	10.3	48.9	0.4	0.65
SF0956_	BU4022_-APE_254	13.0	49.2	0.4	0.65
SF0957_	BU4021_-APE_254	21.0	49.0	0.4	0.65
SF0958_	BU4020_-APE_254	21.8	48.7	0.4	0.65
SF0959_	BU4019_-APE_254	18.7	48.1	0.4	0.65
SF0960_	BU4018_-APE_254	17.2	47.4	0.4	0.65
SF0961_	BU4017_-APE_254	13.9	47.9	0.4	0.65
SF0962_	BU4015_-APE_254	19.3	48.0	0.4	0.65
SF0963_	BU4014_-APE_254	24.2	47.4	0.4	0.65
SF0964_	BU4013_-APE_254	15.4	48.4	0.4	0.65
SF0965_	BU4012_-APE_254	12.6	48.3	0.4	0.65
SF0966_	BU4011_-APE_254	20.6	48.2	0.4	0.65
SF0967_	BU4010_-APE_254	20.6	48.0	0.4	0.65
SF0968_	BU4009B_-APE_254	1.0	47.3	0.4	0.65
SF0969_	BU4008_-APE_254	17.4	47.5	0.4	0.65
SF0970_	BU4007_-APE_254	20.1	47.2	0.4	0.65
SF0971_	BU4006_-APE_254	24.4	47.2	0.4	0.65
SF0972_	BU4004_-APE_254	9.4	47.1	0.4	0.65
SF0973_	BU4003_-APE_254	27.9	47.1	0.4	0.65
SF0974_	BU4002_-APE_254	27.1	47.1	0.4	0.65
SF0975_	BU4001_-APE_254	8.7	47.0	0.4	0.65
SF0976_	GR1018_-APE_367	14.2	44.3	0.4	0.65
SF0977_	GR1015_-APE_367	5.2	44.7	0.4	0.65
SF0978_	GR1016A_-APE_367	1.0	44.7	0.4	0.65
SF0979_	GR1017_-APE_367	12.0	44.6	0.4	0.65
SF0980_	GR1014_-APE_367	5.5	44.7	0.4	0.65
SF0981_	GR1013_-APE_362	1.0	44.5	0.4	0.65
SF0982_	GR1012_-APE_362	9.4	44.4	0.4	0.65
SF0983_	GR1011_-APE_362	11.3	44.4	0.4	0.65
SF0984_	GR1010_-APE_362	7.9	44.5	0.4	0.65
SF0985_	GR1009_-APE_362	10.3	44.7	0.4	0.65
SF0986_	GR1008D_-APE_362	4.9	44.4	0.4	0.65
SF0987_	GR1007A_-APE_362	1.0	44.5	0.4	0.65
SF0988_	GR1006_-APE_362	1.0	44.5	0.4	0.65
SF0989_	GR1005D_-APE_362	1.0	45.8	0.4	0.65
SF0990_	GR1004_-APE_363	4.3	44.8	0.4	0.65
SF0991_	GR1003_-APE_363	7.0	46.7	0.4	0.65
SF0992_	GR1001B_-APE_369	1.0	45.3	0.4	0.65
SF0993_	AN1035A_-APE_359	3.3	47.2	0.4	0.65
SF0994_	AN1034D_-APE_359	3.3	46.6	0.4	0.65
SF0995_	AN1030A_-APE_361	5.7	46.8	0.4	0.65
SF0996_	AN1028_-APE_361	2.4	47.2	0.4	0.65
SF0997_	AN1027D_-APE_361	1.0	47.6	0.4	0.65
SF0998_	AN1024A_-APE_360	1.5	47.0	0.4	0.65
SF0999_	AN1023_-APE_360	12.6	47.2	0.4	0.65

SF1000_	AN1009D_-APE_279	3.3	47.8	0.4	0.65
SF1001_	AN1008_-APE_279	16.3	47.8	0.4	0.65
SF1002_	AN1007_-APE_279	23.0	48.0	0.4	0.65
SF1003_	AN1006_-APE_282	10.7	48.4	0.4	0.65
SF1004_	AN1005_-APE_282	22.7	48.4	0.4	0.65
SF1005_	AN1004_-APE_282	22.0	48.9	0.4	0.65
SF1006_	AN1003_-APE_282	1.8	49.0	0.4	0.65
SF1007_	AN1002_-APE_282	46.9	49.0	0.4	0.65
SF1008_	AN1001A_-APE_178	1.0	51.9	0.4	0.65
SF1009_	BG4002A_-APE_249	4.5	71.3	0.4	0.65
SF1010_	BG4003_-APE_251	5.3	70.3	0.4	0.65
SF1011_	BG4004A_-APE_251	2.4	69.6	0.4	0.65
SF1012_	BG4005_-APE_327	11.9	69.3	0.4	0.65
SF1013_	BG4006_-APE_327	15.4	67.7	0.4	0.65
SF1014_	BG4007_-APE_328	13.7	67.4	0.4	0.65
SF1015_	BG4008_-APE_328	11.8	67.0	0.4	0.65
SF1016_	BG4010_-APE_330	3.0	64.1	0.4	0.65
SF1017_	BG4011_-APE_332	2.9	61.3	0.4	0.65
SF1018_	BG4016_-APE_407	18.5	56.7	0.4	0.65
SF1019_	BG4018_-APE_402	26.8	55.7	0.4	0.65
SF1020_	BG4019_-APE_402	31.8	54.6	0.4	0.65
SF1021_	BG4017_-APE_402	28.5	56.9	0.4	0.65
SF1022_	BG4020_-APE_402	31.7	54.0	0.4	0.65
SF1023_	BG4001_-APE_249	12.7	71.8	0.4	0.65
SF1024_	BG4028A_-APE_383	11.0	49.6	0.4	0.65
SF1025_	BG4030A_-APE_384	10.3	49.2	0.4	0.65
SF1026_	BG4031_-APE_384	35.4	47.8	0.4	0.65
SF1027_	BG4032_-APE_384	42.5	47.4	0.4	0.65
SF1028_	BG4033_-APE_384	33.7	46.6	0.4	0.65
SF1029_	BG4034_-APE_384	31.7	45.8	0.4	0.65
SF1030_	BG4035_-APE_384	33.1	45.2	0.4	0.65
SF1031_	BG1031_-APE_407	6.5	56.7	0.4	0.65
SF1032_	BG1030A_-APE_407	1.4	57.2	0.4	0.65
SF1033_	BG1029_-APE_333	6.1	57.5	0.4	0.65
SF1034_	BG1028_-APE_333	8.8	57.8	0.4	0.65
SF1035_	BG1027_-APE_333	7.3	58.0	0.4	0.65
SF1036_	BG1026_-APE_333	7.0	58.2	0.4	0.65
SF1037_	BG1025_-APE_333	9.1	58.4	0.4	0.65
SF1038_	BG1024_-APE_333	8.9	58.8	0.4	0.65
SF1039_	BG1023_-APE_333	6.0	59.0	0.4	0.65
SF1040_	BG1022_-APE_333	6.8	59.1	0.4	0.65
SF1041_	BG1021_-APE_332	9.3	59.4	0.4	0.65
SF1042_	BG1020_-APE_332	9.6	59.7	0.4	0.65
SF1043_	BG1019_-APE_332	8.0	59.9	0.4	0.65
SF1044_	BG1001A_-APE_328	5.8	67.2	0.4	0.65
SF1045_	BG1002_-APE_330	4.9	65.4	0.4	0.65
SF1046_	BG1003_-APE_330	5.3	65.2	0.4	0.65

SF1047_	BG1004_-APE_330	6.5	64.8	0.4	0.65
SF1048_	BG1005_-APE_330	5.9	64.3	0.4	0.65
SF1049_	BG1006_-APE_330	5.2	64.1	0.4	0.65
SF1050_	BG1007_-APE_330	1.0	63.9	0.4	0.65
SF1051_	BG1008_-APE_330	4.8	63.9	0.4	0.65
SF1052_	BG1009_-APE_330	7.9	62.7	0.4	0.65
SF1053_	BG1010_-APE_330	5.3	62.3	0.4	0.65
SF1054_	BG1011_-APE_330	4.0	62.8	0.4	0.65
SF1055_	BG1012_-APE_330	6.6	61.4	0.4	0.65
SF1056_	BG1013_-APE_330	15.9	60.7	0.4	0.65
SF1057_	BG1014_-APE_332	11.9	61.6	0.4	0.65
SF1058_	BG1015_-APE_332	5.0	60.4	0.4	0.65
SF1059_	BG1016A_-APE_332	3.0	59.5	0.4	0.65
SF1060_	BG1017_-APE_332	11.5	59.1	0.4	0.65
SF1061_	BG1018_-APE_332	7.9	59.4	0.4	0.65
SF1062_	BG4036_-APE_384	38.0	45.0	0.4	0.65
SF1063_	BG4037_-APE_384	8.6	44.0	0.4	0.65
SF1064_	BG4038A_-APE_384	8.5	45.4	0.4	0.65
SF1065_	BG4039A_-APE_384	8.4	44.2	0.4	0.65
SF1066_	ME6005_-APE_381	5.6	46.4	0.4	0.65
SF1067_	ME4004A_-APE_381	4.8	45.8	0.4	0.65
SF1068_	ME4005D_-APE_381	1.1	45.8	0.4	0.65
SF1069_	ME4001A_-APE_381	3.1	46.5	0.4	0.65
SF1070_	ME4002D_-APE_381	1.0	46.4	0.4	0.65
SF1071_	ME4007A_-APE_381	1.0	48.7	0.4	0.65
SF1072_	ME4008D_-APE_371	2.0	47.0	0.4	0.65
SF1073_	ME5118_-APE_380	7.5	46.8	0.4	0.65
SF1074_	ME5117_-APE_380	9.5	46.9	0.4	0.65
SF1075_	ME5116_-APE_380	8.0	47.1	0.4	0.65
SF1076_	ME5115_-APE_380	3.8	47.1	0.4	0.65
SF1077_	ME5114_-APE_380	10.4	47.2	0.4	0.65
SF1078_	ME5113_-APE_375	12.1	47.4	0.4	0.65
SF1079_	ME5112_-APE_375	4.6	47.5	0.4	0.65
SF1080_	ME5095_-APE_310	4.3	48.6	0.4	0.65
SF1081_	ME5094_-APE_310	3.3	48.6	0.4	0.65
SF1082_	ME5092_-APE_310	4.1	48.7	0.4	0.65
SF1083_	ME5091_-APE_310	11.6	48.8	0.4	0.65
SF1084_	ME5062_-APE_306	3.8	50.3	0.4	0.65
SF1085_	ME5087_-APE_306	2.8	50.0	0.4	0.65
SF1086_	ME5086_-APE_306	1.9	50.0	0.4	0.65
SF1087_	ME5085_-APE_306	1.6	50.0	0.4	0.65
SF1088_	ME5082_-APE_306	2.1	50.0	0.4	0.65
SF1089_	ME5081_-APE_306	3.8	50.1	0.4	0.65
SF1090_	ME5080_-APE_306	3.0	50.1	0.4	0.65
SF1091_	ME5079_-APE_306	1.0	49.7	0.4	0.65
SF1092_	ME5078_-APE_306	1.0	50.1	0.4	0.65
SF1093_	ME5077_-APE_306	2.1	50.1	0.4	0.65

SF1094_	ME5076_-APE_306	4.0	50.0	0.4	0.65
SF1095_	ME5075_-APE_306	3.2	50.0	0.4	0.65
SF1096_	ME5074_-APE_306	3.1	50.0	0.4	0.65
SF1097_	ME5073_-APE_306	3.3	50.0	0.4	0.65
SF1098_	ME5072_-APE_306	2.5	49.8	0.4	0.65
SF1099_	ME5071_-APE_306	1.6	49.8	0.4	0.65
SF1100_	ME5070_-APE_306	1.0	50.0	0.4	0.65
SF1101_	ME5069_-APE_306	1.0	50.0	0.4	0.65
SF1102_	ME5068_-APE_306	1.0	50.0	0.4	0.65
SF1103_	ME5067_-APE_306	2.4	49.9	0.4	0.65
SF1104_	ME5066_-APE_306	4.6	50.0	0.4	0.65
SF1105_	ME5090_-APE_306	10.5	49.0	0.4	0.65
SF1106_	ME5089_-APE_306	3.6	49.0	0.4	0.65
SF1107_	ME5088_-APE_306	4.8	49.7	0.4	0.65
SF1108_	ME5065_-APE_306	2.5	50.2	0.4	0.65
SF1109_	ME5064_-APE_306	1.0	50.2	0.4	0.65
SF1110_	ME5063_-APE_306	1.8	50.2	0.4	0.65
SF1111_	ME5042_-APE_297	2.6	54.0	0.4	0.65
SF1112_	ME5041_-APE_297	4.3	54.0	0.4	0.65
SF1113_	ME5040_-APE_297	7.0	54.1	0.4	0.65
SF1114_	ME5039_-APE_297	6.5	54.3	0.4	0.65
SF1115_	ME5038_-APE_297	4.2	54.5	0.4	0.65
SF1116_	ME5037_-APE_297	5.0	54.7	0.4	0.65
SF1117_	ME5061_-APE_306	2.6	51.8	0.4	0.65
SF1118_	ME5060_-APE_306	1.3	51.8	0.4	0.65
SF1119_	ME5059_-APE_306	1.0	51.8	0.4	0.65
SF1120_	ME5058_-APE_306	1.0	51.8	0.4	0.65
SF1121_	ME5057_-APE_306	1.7	51.5	0.4	0.65
SF1122_	ME5056_-APE_306	2.4	51.5	0.4	0.65
SF1123_	ME5055_-APE_306	2.4	51.5	0.4	0.65
SF1124_	ME5054_-APE_306	1.6	51.5	0.4	0.65
SF1125_	ME5053_-APE_306	2.6	51.2	0.4	0.65
SF1126_	ME5052_-APE_306	3.2	51.5	0.4	0.65
SF1127_	ME5051_-APE_306	5.3	51.0	0.4	0.65
SF1128_	ME5050_-APE_306	6.2	51.2	0.4	0.65
SF1129_	ME5049_-APE_306	3.0	51.4	0.4	0.65
SF1130_	ME5048_-APE_306	1.8	51.4	0.4	0.65
SF1131_	ME5047D_-APE_306	1.9	51.5	0.4	0.65
SF1132_	ME5046C_-APE_306	1.0	51.5	0.4	0.65
SF1133_	ME5045B_-APE_306	1.1	51.6	0.4	0.65
SF1134_	ME5025_-APE_297	1.4	55.1	0.4	0.65
SF1135_	ME5024_-APE_297	3.2	55.1	0.4	0.65
SF1136_	ME5023_-APE_297	4.3	55.1	0.4	0.65
SF1137_	ME5022_-APE_297	3.7	55.2	0.4	0.65
SF1138_	ME5021_-APE_297	3.9	55.4	0.4	0.65
SF1139_	ME5019_-APE_297	4.4	55.6	0.4	0.65
SF1140_	ME5100A_-APE_310	1.0	48.6	0.4	0.65

SF1141_	ME5044A_-APE_306	1.4	52.0	0.4	0.65
SF1142_	ME5127_-APE_372	9.9	46.0	0.4	0.65
SF1143_	ME5126_-APE_372	10.0	46.2	0.4	0.65
SF1144_	ME5128_-APE_372	10.1	45.8	0.4	0.65
SF1145_	ME5129_-APE_372	10.1	45.4	0.4	0.65
SF1146_	ME5130_-APE_372	6.6	45.8	0.4	0.65
SF1147_	ME5131_-APE_372	3.2	45.9	0.4	0.65
SF1148_	ME5132_-APE_372	1.5	45.8	0.4	0.65
SF1149_	ME5125_-APE_372	9.9	46.4	0.4	0.65
SF1150_	ME5124_-APE_372	9.9	46.5	0.4	0.65
SF1151_	ME5122_-APE_372	9.9	46.7	0.4	0.65
SF1152_	ME5121_-APE_371	8.0	47.0	0.4	0.65
SF1153_	ME5123_-APE_372	10.0	46.7	0.4	0.65
SF1154_	ME5002_-APE_231	4.8	59.6	0.4	0.65
SF1155_	ME5003_-APE_231	5.7	59.1	0.4	0.65
SF1156_	ME5004A_-APE_231	1.2	59.0	0.4	0.65
SF1157_	ME5005D_-APE_231	1.0	59.0	0.4	0.65
SF1158_	ME5006_-APE_228	3.5	59.0	0.4	0.65
SF1159_	ME5012_-APE_302	8.4	58.1	0.4	0.65
SF1160_	ME5013_-APE_302	10.0	57.8	0.4	0.65
SF1161_	ME5014_-APE_302	10.0	57.4	0.4	0.65
SF1162_	ME5015_-APE_302	10.0	57.0	0.4	0.65
SF1163_	ME5016_-APE_302	10.0	56.7	0.4	0.65
SF1164_	ME5017_-APE_302	10.0	56.3	0.4	0.65
SF1165_	ME5018_-APE_302	9.2	56.0	0.4	0.65
SF1166_	ME5020_-APE_297	2.1	55.6	0.4	0.65
SF1167_	ME1010C_-APE_230	14.9	75.5	0.4	0.65
SF1168_	ME1009B_-APE_229	1.3	75.7	0.4	0.65
SF1169_	ME1008_-APE_229	1.7	76.5	0.4	0.65
SF1170_	ME1007B_-APE_229	1.0	76.8	0.4	0.65
SF1171_	ME1006_-APE_229	2.5	76.6	0.4	0.65
SF1172_	ME1005B_-APE_229	2.5	79.0	0.4	0.65
SF1173_	ME1004_-APE_229	4.6	80.7	0.4	0.65
SF1174_	ME1003B_-APE_229	2.3	81.2	0.4	0.65
SF1175_	ME1002_-APE_229	5.6	82.2	0.4	0.65
SF1176_	ME1001_-APE_229	3.4	81.6	0.4	0.65
SF1177_	ME1011_-APE_233	16.8	71.5	0.4	0.65
SF1178_	ME1012_-APE_233	6.4	71.2	0.4	0.65
SF1179_	ME1013_-APE_233	7.1	70.6	0.4	0.65
SF1180_	ME1014_-APE_233	4.7	69.7	0.4	0.65
SF1181_	ME1015_-APE_233	3.5	68.8	0.4	0.65
SF1182_	ME1016_-APE_233	2.3	69.3	0.4	0.65
SF1183_	ME1017_-APE_233	3.5	68.4	0.4	0.65
SF1184_	ME1018_-APE_233	4.9	68.2	0.4	0.65
SF1185_	ME1019_-APE_233	3.2	68.1	0.4	0.65
SF1186_	ME1020A_-APE_233	1.0	68.1	0.4	0.65
SF1187_	ME1021D_-APE_233	4.3	67.8	0.4	0.65

SF1188_	ST5024A_-APE_295	1.7	51.5	0.4	0.65
SF1189_	ST5027_-APE_295	8.7	50.8	0.4	0.65
SF1190_	ST5036A_-APE_295	1.7	49.1	0.4	0.65
SF1191_	ST5035_-APE_295	3.9	48.8	0.4	0.65
SF1192_	ST5034D_-APE_295	2.4	49.2	0.4	0.65
SF1193_	ST5033A_-APE_295	5.1	49.7	0.4	0.65
SF1194_	ST5032D_-APE_295	5.1	50.1	0.4	0.65
SF1195_	ST5031A_-APE_295	4.9	50.2	0.4	0.65
SF1196_	ST5030_-APE_295	8.7	50.3	0.4	0.65
SF1197_	ST5025D_-APE_295	1.4	51.6	0.4	0.65
SF1198_	ST5028_-APE_295	8.2	50.6	0.4	0.65
SF1199_	ST5029_-APE_295	7.0	50.4	0.4	0.65
SF1200_	ST5026_-APE_295	5.7	51.0	0.4	0.65
SF1201_	ST5023_-APE_295	7.0	51.3	0.4	0.65
SF1202_	ST5022_-APE_295	5.4	52.1	0.4	0.65
SF1203_	ST5011_-APE_211	10.7	55.0	0.4	0.65
SF1204_	ST5010_-APE_211	15.1	55.2	0.4	0.65
SF1205_	ST5009_-APE_211	8.6	55.9	0.4	0.65
SF1206_	ST5008_-APE_211	2.9	56.0	0.4	0.65
SF1207_	ST5007_-APE_211	1.9	56.2	0.4	0.65
SF1208_	ST5006_-APE_211	1.7	56.3	0.4	0.65
SF1209_	ST5005_-APE_211	2.9	56.5	0.4	0.65
SF1210_	ST5004_-APE_211	2.3	56.6	0.4	0.65
SF1211_	ST5003_-APE_211	9.0	57.0	0.4	0.65
SF1212_	ST5002_-APE_210	12.0	57.6	0.4	0.65
SF1213_	ST5001_-APE_210	7.0	58.5	0.4	0.65
SF1214_	ST1004_-APE_121	1.2	87.3	0.4	0.65
SF1215_	ST1003_-APE_121	2.3	87.6	0.4	0.65
SF1216_	ST1002_-APE_121	1.4	87.3	0.4	0.65
SF1217_	ST4001A_-APE_120	5.8	88.3	0.4	0.65
SF1218_	ST1005A_-APE_121	1.0	87.3	0.4	0.65
SF1219_	ST1009_-APE_219	4.0	58.5	0.4	0.65
SF1220_	ST1008_-APE_219	11.3	59.0	0.4	0.65
SF1221_	ST1007_-APE_219	18.3	59.8	0.4	0.65
SF1222_	ST1006_-APE_219	13.6	60.9	0.4	0.65
SF1223_	ST4002A_-APE_211	1.0	55.9	0.4	0.65
SF1224_	ST4003A_-APE_295	1.4	51.6	0.4	0.65
SF1225_	ST5036D_-APE_299	8.0	48.6	0.4	0.65
SF1226_	ST5036C_-APE_299	10.1	48.6	0.4	0.65
SF1227_	ST5036I_-APE_385	5.3	47.5	0.4	0.65
SF1228_	ST5036H_-APE_385	12.5	47.5	0.4	0.65
SF1229_	ST5036E_-APE_299	13.6	47.9	0.4	0.65
SF1230_	ST5036G_-APE_299	12.5	48.0	0.4	0.65
SF1231_	ST5036L_-APE_385	9.2	47.2	0.4	0.65
SF1232_	ST5036M_-APE_385	4.0	47.3	0.4	0.65
SF1233_	ST5036O_-APE_385	3.5	48.3	0.4	0.65
SF1234_	ST5036F_-APE_299	6.1	48.0	0.4	0.65

SF1235_	ST5036N_-APE_385	3.5	47.3	0.4	0.65
SF1236_	ST5036P_-APE_385	1.0	48.3	0.4	0.65
SF1237_	ST5036B_-APE_295	9.8	49.1	0.4	0.65
SF1238_	FU5039_-APE_193	12.4	52.1	0.4	0.65
SF1239_	FU5038_-APE_193	6.4	51.8	0.4	0.65
SF1240_	FU5037_-APE_193	3.0	51.9	0.4	0.65
SF1241_	FU5036_-APE_193	2.6	51.9	0.4	0.65
SF1242_	FU5035_-APE_193	3.0	52.0	0.4	0.65
SF1243_	FU5034_-APE_193	1.1	52.0	0.4	0.65
SF1244_	FU5033_-APE_193	1.0	53.6	0.4	0.65
SF1245_	FU5032_-APE_193	1.3	53.6	0.4	0.65
SF1246_	FU5031_-APE_193	2.2	53.6	0.4	0.65
SF1247_	FU3001A_-APE_193	1.0	53.6	0.4	0.65
SF1248_	FU5029_-APE_193	5.2	53.6	0.4	0.65
SF1249_	FU5028_-APE_193	5.9	53.6	0.4	0.65
SF1250_	FU5027_-APE_193	3.5	53.6	0.4	0.65
SF1251_	FU5026_-APE_193	4.6	53.6	0.4	0.65
SF1252_	FU5025_-APE_193	5.6	53.6	0.4	0.65
SF1253_	FU5024_-APE_193	3.8	53.6	0.4	0.65
SF1254_	FU5023_-APE_193	2.0	53.7	0.4	0.65
SF1255_	FU5022_-APE_193	2.8	53.8	0.4	0.65
SF1256_	FU5021_-APE_193	4.2	53.9	0.4	0.65
SF1257_	FU5020_-APE_193	4.7	54.1	0.4	0.65
SF1258_	FU5019_-APE_193	9.1	54.3	0.4	0.65
SF1259_	FU5018_-APE_193	12.7	54.9	0.4	0.65
SF1260_	FU5017_-APE_193	10.2	55.4	0.4	0.65
SF1261_	FU5016_-APE_192	7.1	55.7	0.4	0.65
SF1262_	FU5015_-APE_192	5.8	55.9	0.4	0.65
SF1263_	FU5014_-APE_192	4.9	56.2	0.4	0.65
SF1264_	FU5013_-APE_191	3.9	56.3	0.4	0.65
SF1265_	FU5012A_-APE_191	3.1	56.6	0.4	0.65
SF1266_	FU5011_-APE_191	6.8	56.8	0.4	0.65
SF1267_	FU5010_-APE_191	4.0	57.1	0.4	0.65
SF1268_	FU5009A_-APE_191	1.0	57.2	0.4	0.65
SF1269_	FU5008_-APE_191	1.8	57.3	0.4	0.65
SF1270_	FU5002_-APE_191	7.7	58.0	0.4	0.65
SF1271_	FU5001_-APE_191	4.0	58.3	0.4	0.65
SF1272_	FU5078_-APE_381	11.3	47.6	0.4	0.65
SF1273_	FU5058_-APE_290	13.2	48.4	0.4	0.65
SF1274_	FU5077D_-APE_381	11.4	47.2	0.4	0.65
SF1275_	FU5057D_-APE_290	6.1	48.5	0.4	0.65
SF1276_	FU5076A_-APE_370	4.8	47.4	0.4	0.65
SF1277_	FU5060A_-APE_290	9.4	48.5	0.4	0.65
SF1278_	FU5061D_-APE_289	5.9	48.5	0.4	0.65
SF1279_	FU5063_-APE_289	13.2	47.5	0.4	0.65
SF1280_	FU5045_-APE_193	6.1	51.6	0.4	0.65
SF1281_	FU5043_-APE_193	8.8	51.4	0.4	0.65

SF1282_	FU5050D_-APE_286	4.5	49.5	0.4	0.65
SF1283_	FU5049A_-APE_286	1.0	49.8	0.4	0.65
SF1284_	FU5074A_-APE_370	1.0	46.6	0.4	0.65
SF1285_	FU5075D_-APE_370	4.8	47.4	0.4	0.65
SF1286_	FU5048D_-APE_286	1.0	50.1	0.4	0.65
SF1287_	FU5067_-APE_369	9.7	47.4	0.4	0.65
SF1288_	FU5072D_-APE_370	2.5	46.7	0.4	0.65
SF1289_	FU5053_-APE_286	8.6	49.6	0.4	0.65
SF1290_	FU5071A_-APE_369	5.5	48.9	0.4	0.65
SF1291_	FU5068_-APE_369	9.5	47.4	0.4	0.65
SF1292_	FU5069_-APE_369	10.2	47.3	0.4	0.65
SF1293_	FU5051_-APE_286	7.9	49.9	0.4	0.65
SF1294_	FU5052_-APE_286	7.8	49.7	0.4	0.65
SF1295_	FU5073_-APE_370	2.9	46.9	0.4	0.65
SF1296_	FU5064A_-APE_289	5.4	47.4	0.4	0.65
SF1297_	FU5065D_-APE_369	3.0	47.5	0.4	0.65
SF1298_	FU5047A_-APE_193	5.3	51.1	0.4	0.65
SF1299_	FU5046_-APE_193	7.2	50.9	0.4	0.65
SF1300_	FU5044_-APE_193	10.1	51.2	0.4	0.65
SF1301_	FU5066_-APE_369	6.8	47.5	0.4	0.65
SF1302_	FU5056A_-APE_286	5.4	49.8	0.4	0.65
SF1303_	FU5055_-APE_286	9.8	49.7	0.4	0.65
SF1304_	FU5054_-APE_286	8.7	49.7	0.4	0.65
SF1305_	FU5070_-APE_369	12.0	46.9	0.4	0.65
SF1306_	FU5040_-APE_193	11.1	52.4	0.4	0.65
SF1307_	FU5041_-APE_193	7.5	52.1	0.4	0.65
SF1308_	FU5059_-APE_290	16.5	48.3	0.4	0.65
SF1309_	FU4001A_-APE_116	7.8	78.4	0.4	0.65
SF1310_	FU4002A_-APE_186	13.1	66.0	0.4	0.65
SF1311_	FU4003A_-APE_188	20.4	60.6	0.4	0.65
SF1312_	FU4004A_-APE_198	20.5	58.5	0.4	0.65
SF1313_	FU4005A_-APE_198	1.0	58.1	0.4	0.65
SF1314_	AC3016_-APE_01	3.2	138.5	0.4	0.65
SF1315_	AC3015_-APE_01	5.3	139.4	0.4	0.65
SF1316_	AC3017A_-APE_06	1.9	138.0	0.4	0.65
SF1317_	AC3018A_-APE_06	2.4	138.0	0.4	0.65
SF1318_	AC3019_-APE_06	3.1	137.1	0.4	0.65
SF1319_	AC3020_-APE_06	2.8	137.9	0.4	0.65
SF1320_	AC3021_-APE_06	3.5	138.5	0.4	0.65
SF1321_	AC3023_-APE_06	2.1	133.7	0.4	0.65
SF1322_	AC3024_-APE_06	1.4	133.6	0.4	0.65
SF1323_	AG3002_-APE_03	2.7	135.6	0.4	0.65
SF1324_	AG3004_-APE_06	1.6	133.3	0.4	0.65
SF1325_	AG3007_-APE_06	1.4	131.6	0.4	0.65
SF1326_	AG3008_-APE_06	2.1	131.0	0.4	0.65
SF1327_	AG3009_-APE_06	1.4	132.4	0.4	0.65
SF1328_	AG3010_-APE_06	2.0	130.1	0.4	0.65

SF1329_	AC3014A -APE_01	2.9	141.4	0.4	0.65
SF1330_	AC3010__-APE_01	3.4	142.6	0.4	0.65
SF1331_	AC3008__-APE_01	4.3	146.2	0.4	0.65
SF1332_	AC3007__-APE_01	3.6	146.0	0.4	0.65
SF1333_	AC3006A -APE_01	5.5	147.8	0.4	0.65
SF1334_	AG3014__-APE_07	8.2	126.4	0.4	0.65
SF1335_	AG3013__-APE_07	4.6	128.7	0.4	0.65
SF1336_	AG3011__-APE_06	5.3	129.2	0.4	0.65
SF1337_	AC3013__-APE_01	4.3	141.3	0.4	0.65
SF1338_	AC3012__-APE_01	3.5	141.1	0.4	0.65
SF1339_	AC3011__-APE_01	4.2	142.1	0.4	0.65
SF1340_	AG3001A -APE_03	1.0	135.3	0.4	0.65
SF1341_	AC3001__-APE_01	1.9	152.7	0.4	0.65
SF1342_	AC3004__-APE_01	4.1	151.3	0.4	0.65
SF1343_	AC3002A -APE_01	2.0	151.3	0.4	0.65
SF1344_	AC3003A -APE_01	2.5	151.5	0.4	0.65
SF1345_	AC3020__-APE_01	2.8	137.9	0.4	0.65
SF1346_	AC3005__-APE_01	8.2	151.0	0.4	0.65
SF1347_	AC3009A -APE_01	5.2	144.0	0.4	0.65
SF1348_	AG4027__-APE_162	22.0	67.5	0.4	0.65
SF1349_	AG4026__-APE_161	20.0	68.4	0.4	0.65
SF1350_	AG4030__-APE_164	13.5	65.4	0.4	0.65
SF1351_	AG4031__-APE_164	18.8	64.5	0.4	0.65
SF1352_	AG4028__-APE_163	18.4	65.9	0.4	0.65
SF1353_	AG4029__-APE_163	13.7	65.8	0.4	0.65
SF1354_	AG4034__-APE_264	19.3	62.4	0.4	0.65
SF1355_	AG4032__-APE_164	17.8	63.6	0.4	0.65
SF1356_	AG4033__-APE_264	16.7	63.3	0.4	0.65
SF1357_	AG4035__-APE_264	19.1	60.9	0.4	0.65
SF1358_	AG4036__-APE_267	17.9	60.5	0.4	0.65
SF1359_	AG4044__-APE_277	18.0	55.7	0.4	0.65
SF1360_	AG4040__-APE_269	14.1	58.3	0.4	0.65
SF1361_	AG4039__-APE_269	18.2	58.7	0.4	0.65
SF1362_	AG4038__-APE_269	16.7	59.9	0.4	0.65
SF1363_	AG4042__-APE_277	16.9	57.3	0.4	0.65
SF1364_	AG4041__-APE_271	14.7	58.1	0.4	0.65
SF1365_	AG4043__-APE_277	16.3	56.4	0.4	0.65
SF1366_	AG4054__-APE_365	11.8	51.1	0.4	0.65
SF1367_	AG4047__-APE_360	17.8	53.6	0.4	0.65
SF1368_	AG4045__-APE_277	17.2	54.8	0.4	0.65
SF1369_	AG4046__-APE_277	16.0	54.4	0.4	0.65
SF1370_	AG4055__-APE_365	4.2	49.7	0.4	0.65
SF1371_	AG4056__-APE_366	9.3	49.4	0.4	0.65
SF1372_	AG4059__-APE_368	65.8	47.7	0.4	0.65
SF1373_	AG4058__-APE_366	48.5	48.3	0.4	0.65
SF1374_	AG4057__-APE_366	27.3	48.7	0.4	0.65
SF1375_	AG4061__-APE_368	101.6	47.1	0.4	0.65

SF1376_	AG4062_-APE_368	53.4	47.4	0.4	0.65
SF1377_	AG4060_-APE_368	84.1	47.2	0.4	0.65
SF1378_	AG4021_-APE_160	15.0	72.2	0.4	0.65
SF1379_	AG4023_-APE_160	16.6	70.5	0.4	0.65
SF1380_	AG4025_-APE_161	13.7	69.0	0.4	0.65
SF1381_	AG4024_-APE_161	12.8	68.5	0.4	0.65
SF1382_	AG4022_-APE_160	16.2	71.3	0.4	0.65
SF1383_	AG4003_-APE_34	15.9	94.1	0.4	0.65
SF1384_	AG4002_-APE_34	13.9	94.7	0.4	0.65
SF1385_	AG4013_-APE_100	17.3	80.1	0.4	0.65
SF1386_	AG4014_-APE_98	17.4	79.0	0.4	0.65
SF1387_	AG4015_-APE_98	16.2	78.1	0.4	0.65
SF1388_	AG4012_-APE_34	10.4	81.7	0.4	0.65
SF1389_	AG4017_-APE_158	16.7	75.6	0.4	0.65
SF1390_	AG4016_-APE_158	14.9	76.8	0.4	0.65
SF1391_	AG4006_-APE_34	16.4	89.3	0.4	0.65
SF1392_	AG4007_-APE_34	16.5	87.7	0.4	0.65
SF1393_	AG4009_-APE_34	16.1	84.3	0.4	0.65
SF1394_	AG4008_-APE_34	15.6	84.4	0.4	0.65
SF1395_	AG4005_-APE_34	14.5	90.6	0.4	0.65
SF1396_	AG4004_-APE_34	16.3	90.8	0.4	0.65
SF1397_	AG4001_-APE_31	8.6	95.3	0.4	0.65
SF1398_	AG5004_-APE_363	15.2	51.2	0.4	0.65
SF1399_	AG5003_-APE_363	19.4	51.4	0.4	0.65
SF1400_	AG5001_-APE_363	14.3	53.3	0.4	0.65
SF1401_	AG5002_-APE_363	11.5	52.0	0.4	0.65
SF1402_	AG5005_-APE_363	14.1	50.5	0.4	0.65
SF1403_	SE2095_-APE_50	3.1	62.5	0.4	0.65
SF1404_	SE2001A_-APE_16	1.0	112.6	0.4	0.65
SF1405_	SE2002_-APE_16	2.8	112.1	0.4	0.65
SF1406_	SE2003_-APE_16	3.3	111.9	0.4	0.65
SF1407_	SE2004A_-APE_16	1.2	108.0	0.4	0.65
SF1408_	SE2005_-APE_16	9.5	109.3	0.4	0.65
SF1409_	SE2006_-APE_16	10.3	108.2	0.4	0.65
SF1410_	SE2007A_-APE_16	5.1	105.0	0.4	0.65
SF1411_	SE2008_-APE_16	4.7	106.6	0.4	0.65
SF1412_	SE2009_-APE_16	10.9	105.3	0.4	0.65
SF1413_	SE2010A_-APE_16	6.9	103.4	0.4	0.65
SF1414_	SE2011_-APE_16	6.3	103.2	0.4	0.65
SF1415_	SE2012_-APE_62	9.3	99.1	0.4	0.65
SF1416_	SE2013_-APE_62	4.5	99.8	0.4	0.65
SF1417_	SE2014A_-APE_62	1.0	97.0	0.4	0.65
SF1418_	SE2015D_-APE_62	1.0	97.1	0.4	0.65
SF1419_	SE2016_-APE_62	1.2	99.0	0.4	0.65
SF1420_	SE2017_-APE_62	2.8	98.4	0.4	0.65
SF1421_	SE2018_-APE_62	3.5	97.7	0.4	0.65
SF1422_	SE2019A_-APE_62	1.5	96.9	0.4	0.65

SF1423_	SE2020A -APE_62	1.0	99.2	0.4	0.65
SF1424_	SE2021__-APE_62	6.9	97.0	0.4	0.65
SF1425_	SE2022A -APE_62	6.0	94.6	0.4	0.65
SF1426_	SE2023__-APE_62	3.7	96.5	0.4	0.65
SF1427_	SE2024__-APE_62	10.9	93.9	0.4	0.65
SF1428_	SE2025__-APE_62	13.4	92.9	0.4	0.65
SF1429_	SE2026A -APE_62	5.2	92.7	0.4	0.65
SF1430_	SE2027A -APE_62	1.0	92.0	0.4	0.65
SF1431_	SE2028H -APE_62	3.7	92.1	0.4	0.65
SF1432_	SE2029A -APE_62	3.6	92.1	0.4	0.65
SF1433_	SE2030__-APE_62	2.6	89.6	0.4	0.65
SF1434_	SE2031__-APE_62	4.3	87.9	0.4	0.65
SF1435_	SE2032__-APE_62	5.1	88.2	0.4	0.65
SF1436_	SE2033A -APE_63	2.7	87.2	0.4	0.65
SF1437_	SE2034__-APE_63	3.8	87.0	0.4	0.65
SF1438_	SE2035__-APE_63	5.0	86.8	0.4	0.65
SF1439_	SE2036A -APE_63	2.6	86.6	0.4	0.65
SF1440_	SE2037__-APE_63	1.6	86.3	0.4	0.65
SF1441_	SE2038A -APE_63	1.0	86.1	0.4	0.65
SF1442_	SE2039D -APE_61	1.0	85.3	0.4	0.65
SF1443_	SE2040__-APE_61	1.5	85.0	0.4	0.65
SF1444_	SE2041__-APE_61	3.2	84.5	0.4	0.65
SF1445_	SE2042__-APE_61	3.3	84.1	0.4	0.65
SF1446_	SE2043__-APE_61	2.4	83.7	0.4	0.65
SF1447_	SE2044__-APE_61	2.6	83.6	0.4	0.65
SF1448_	SE2045__-APE_61	2.1	83.2	0.4	0.65
SF1449_	SE2046__-APE_61	3.2	83.0	0.4	0.65
SF1450_	SE2047A -APE_61	2.6	82.3	0.4	0.65
SF1451_	SE2048__-APE_61	6.5	81.8	0.4	0.65
SF1452_	SE2049A -APE_61	3.7	81.5	0.4	0.65
SF1453_	SE2050__-APE_61	2.9	81.5	0.4	0.65
SF1454_	SE2051__-APE_61	3.9	81.3	0.4	0.65
SF1455_	SE2052__-APE_58	4.7	80.9	0.4	0.65
SF1456_	SE2053__-APE_58	4.9	80.6	0.4	0.65
SF1457_	SE2054A -APE_58	3.1	80.0	0.4	0.65
SF1458_	SE2055A -APE_58	1.0	79.2	0.4	0.65
SF1459_	SE2056__-APE_58	3.2	78.8	0.4	0.65
SF1460_	SE2057__-APE_58	4.3	78.7	0.4	0.65
SF1461_	SE2058__-APE_58	6.5	78.0	0.4	0.65
SF1462_	SE2059__-APE_58	6.6	77.5	0.4	0.65
SF1463_	SE2060__-APE_58	8.8	77.2	0.4	0.65
SF1464_	SE2062__-APE_59	2.9	76.0	0.4	0.65
SF1465_	SE2063A -APE_59	1.0	75.8	0.4	0.65
SF1466_	SE2064A -APE_59	1.0	75.7	0.4	0.65
SF1467_	SE2065__-APE_59	5.2	75.3	0.4	0.65
SF1468_	SE2066__-APE_50	3.1	75.0	0.4	0.65
SF1469_	SE2067__-APE_50	1.3	75.0	0.4	0.65

SF1470_	SE2068_-APE_50	1.6	75.0	0.4	0.65
SF1471_	SE2105A_-APE_47	2.8	60.1	0.4	0.65
SF1472_	SE2106_-APE_47	10.6	58.0	0.4	0.65
SF1473_	SE2107_-APE_47	10.0	59.4	0.4	0.65
SF1474_	SE2108_-APE_47	18.1	58.5	0.4	0.65
SF1475_	SE2109_-APE_47	17.8	57.9	0.4	0.65
SF1476_	SE2110A_-APE_47	7.4	55.3	0.4	0.65
SF1477_	SE2111A_-APE_47	13.9	55.2	0.4	0.65
SF1478_	SE2112_-APE_47	21.7	54.8	0.4	0.65
SF1479_	SE2113_-APE_47	11.3	54.4	0.4	0.65
SF1480_	SE2114_-APE_47	4.9	54.0	0.4	0.65
SF1481_	SE2115A_-APE_47	1.0	53.6	0.4	0.65
SF1482_	SE2116_-APE_47	9.6	53.6	0.4	0.65
SF1483_	SE2117A_-APE_47	9.4	53.2	0.4	0.65
SF1484_	SE2118A_-APE_47	11.9	52.4	0.4	0.65
SF1485_	SE2119_-APE_47	14.5	52.3	0.4	0.65
SF1486_	SE2120A_-APE_47	6.3	52.5	0.4	0.65
SF1487_	SE2121_-APE_47	2.0	53.6	0.4	0.65
SF1488_	ME6007_-APE_381	1.9	45.7	0.4	0.65
SF1489_	BU4001V_-APE_254	6.3	47.4	0.4	0.65
SF1490_	BU4009C_-APE_254	1.0	47.3	0.4	0.65
SF1491_	BU4009D_-APE_254	7.4	47.3	0.4	0.65
SF1492_	BU4009A_-APE_254	9.8	47.3	0.4	0.65
SF1493_	BU4024B_-APE_254	1.0	49.3	0.4	0.65
SF1494_	BU4024C_-APE_254	1.0	49.3	0.4	0.65
SF1495_	BU4024D_-APE_254	4.4	49.3	0.4	0.65
SF1496_	BU4032A_-APE_124	4.6	51.7	0.4	0.65
SF1497_	BU4032C_-APE_254	1.5	51.7	0.4	0.65
SF1498_	BU4032D_-APE_254	5.2	51.7	0.4	0.65
SF1499_	BU4037A_-APE_124	20.3	52.3	0.4	0.65
SF1500_	BU4037C_-APE_124	1.0	52.3	0.4	0.65
SF1501_	BU4037D_-APE_124	8.5	52.3	0.4	0.65
SF1502_	BU4042B_-APE_124	1.0	53.7	0.4	0.65
SF1503_	BU4042C_-APE_124	1.0	53.7	0.4	0.65
SF1504_	BU4042D_-APE_124	13.6	53.8	0.4	0.65
SF1505_	SE2061_-APE_59	8.5	76.3	0.4	0.65
SF1506_	AG5006_-APE_365	17.7	50.5	0.4	0.65
SF1507_	AG0014A_-APE_158	6.6	74.4	0.4	0.65
SF1508_	AG0013A_-APE_34	2.4	83.2	0.4	0.65
SF1509_	AG0011_-APE_14	6.3	98.6	0.4	0.65
SF1510_	AG0012_-APE_31	10.8	95.4	0.4	0.65
SF1511_	AG0010_-APE_14	19.6	101.5	0.4	0.65
SF1512_	AG0008_-APE_13	21.0	104.6	0.4	0.65
SF1513_	AG0007_-APE_13	21.4	107.1	0.4	0.65
SF1514_	AG0006_-APE_10	19.2	110.6	0.4	0.65
SF1515_	AG0005_-APE_10	18.4	111.2	0.4	0.65
SF1516_	AG0004_-APE_10	20.8	116.1	0.4	0.65

SF1517_	AG0003_-APE_10	17.3	118.3	0.4	0.65
SF1518_	AG0002A_-APE_08	16.4	120.4	0.4	0.65
SF1519_	AG0001_-APE_05	21.9	127.2	0.4	0.65
SF1520_	AG0009_-APE_14	21.2	103.2	0.4	0.65
SF1521_	AG0015A_-APE_363	5.7	53.0	0.4	0.65
SF1522_	AG0016A_-APE_365	2.1	50.8	0.4	0.65
SF1523_	AG0017A_-APE_366	1.4	49.3	0.4	0.65
SF1524_	FU4001D_-APE_186	13.1	69.2	0.4	0.65
SF1525_	FU4002D_-APE_188	20.4	64.0	0.4	0.65
SF1526_	FU0001_-APE_44	12.5	89.1	0.4	0.65
SF1527_	FU0002_-APE_44	19.3	82.8	0.4	0.65
SF1528_	FU0003_-APE_44	14.4	78.7	0.4	0.65
SF1529_	BG0004_-APE_239	16.8	106.2	0.4	0.65
SF1530_	BG0005_-APE_244	20.6	95.8	0.4	0.65
SF1531_	BG0006_-APE_244	16.6	90.6	0.4	0.65
SF1532_	BG0007A_-APE_240	5.7	89.8	0.4	0.65
SF1533_	BG0008D_-APE_240	9.9	89.8	0.4	0.65
SF1534_	BG0009_-APE_240	18.4	86.7	0.4	0.65
SF1535_	BG0010_-APE_240	21.5	84.6	0.4	0.65
SF1536_	BG0011_-APE_240	23.4	82.5	0.4	0.65
SF1537_	BG0012_-APE_247	18.5	80.0	0.4	0.65
SF1538_	BG0013A_-APE_247	7.9	78.4	0.4	0.65
SF1539_	BG0014_-APE_247	14.0	76.8	0.4	0.65
SF1540_	BG0015_-APE_247	18.8	76.2	0.4	0.65
SF1541_	BG0016_-APE_249	21.6	73.9	0.4	0.65
SF1542_	BG0017_-APE_249	19.5	73.4	0.4	0.65
SF1543_	FM0001C_-APE_31	1.0	94.4	0.4	0.65
SF1544_	FM0001D_-APE_31	5.7	94.4	0.4	0.65
SF1545_	FM0002_-APE_31	9.5	93.6	0.4	0.65
SF1546_	FM0003_-APE_32	9.0	93.0	0.4	0.65
SF1547_	FM0004A_-APE_32	5.2	92.5	0.4	0.65
SF1548_	FM0005A_-APE_94	1.0	79.3	0.4	0.65
SF1549_	FM0005B_-APE_94	1.2	79.3	0.4	0.65
SF1550_	FM0005C_-APE_94	63.9	79.3	0.4	0.65
SF1551_	FM0006A_-APE_97	1.0	78.2	0.4	0.65
SF1552_	FM0006B_-APE_97	9.8	78.2	0.4	0.65
SF1553_	FM0006C_-APE_97	3.7	78.2	0.4	0.65
SF1554_	FM0007C_-APE_97	9.8	77.4	0.4	0.65
SF1555_	FM0007D_-APE_97	5.8	77.5	0.4	0.65
SF1556_	FM1002_-APE_88	27.4	74.8	0.4	0.65
SF1557_	FM0010A_-APE_97	1.0	73.9	0.4	0.65
SF1558_	FM0010B_-APE_97	3.6	73.9	0.4	0.65
SF1559_	FM0010C_-APE_97	9.9	73.9	0.4	0.65
SF1560_	FM0008_-APE_97	9.3	77.0	0.4	0.65
SF1561_	FM0009B_-APE_97	9.9	75.5	0.4	0.65
SF1562_	FM0009A_-APE_97	3.7	75.8	0.4	0.65
SF1563_	FM0011D_-APE_97	1.2	72.8	0.4	0.65

SF1564_	FM0011C_-APE_97	3.6	73.0	0.4	0.65
SF1565_	FM0014A_-APE_83	1.0	69.1	0.4	0.65
SF1566_	FM0014B_-APE_83	3.5	69.1	0.4	0.65
SF1567_	FM0014C_-APE_83	13.6	69.1	0.4	0.65
SF1568_	FM0015C_-APE_83	3.5	68.6	0.4	0.65
SF1569_	FM0015D_-APE_83	1.0	68.6	0.4	0.65
SF1570_	FM0015A_-APE_83	1.0	68.6	0.4	0.65
SF1571_	FM0015B_-APE_83	1.6	69.4	0.4	0.65
SF1572_	FM0016C_-APE_151	1.7	69.8	0.4	0.65
SF1573_	FM0017D_-APE_151	8.7	68.5	0.4	0.65
SF1574_	FM0017_-APE_152	14.1	67.6	0.4	0.65
SF1575_	FM0018B_-APE_152	33.8	67.5	0.4	0.65
SF1576_	FM0017A_-APE_152	5.6	67.1	0.4	0.65
SF1577_	FM0019A_-APE_150	1.0	62.7	0.4	0.65
SF1578_	FM0019C_-APE_150	33.7	62.7	0.4	0.65
SF1579_	FM0019B_-APE_150	22.2	62.7	0.4	0.65
SF1580_	FM0020C_-APE_147	22.3	60.4	0.4	0.65
SF1581_	FM0020D_-APE_147	3.7	60.6	0.4	0.65
SF1582_	FM0020_-APE_147	16.4	60.2	0.4	0.65
SF1583_	FM0021_-APE_147	20.5	58.9	0.4	0.65
SF1584_	FM0023C_-APE_148	18.5	56.6	0.4	0.65
SF1585_	FM0024D_-APE_148	4.0	56.4	0.4	0.65
SF1586_	FM0025B_-APE_148	1.0	56.0	0.4	0.65
SF1587_	FM0025C_-APE_148	1.0	55.8	0.4	0.65
SF1588_	FM0026D_-APE_148	2.5	55.8	0.4	0.65
SF1589_	FM0024A_-APE_148	4.1	55.8	0.4	0.65
SF1590_	FM0026_-APE_148	3.1	55.3	0.4	0.65
SF1591_	FM0027B_-APE_148	13.7	55.2	0.4	0.65
SF1592_	FM0027A_-APE_148	1.0	55.3	0.4	0.65
SF1593_	FM0028C_-APE_415	13.7	53.7	0.4	0.65
SF1594_	FM0028D_-APE_415	1.0	53.8	0.4	0.65
SF1595_	FM0029B_-APE_415	1.0	53.6	0.4	0.65
SF1596_	FM0029A_-APE_415	10.6	53.6	0.4	0.65
SF1597_	FM0029C_-APE_415	1.0	53.7	0.4	0.65
SF1598_	FM0029D_-APE_415	9.5	53.7	0.4	0.65
SF1599_	FM0030_-APE_146	20.3	52.6	0.4	0.65
SF1600_	FM0031_-APE_414	11.8	53.3	0.4	0.65
SF1601_	FM0032B_-APE_414	1.9	52.5	0.4	0.65
SF1602_	FM0032C_-APE_414	1.9	52.5	0.4	0.65
SF1603_	FM0032A_-APE_414	1.0	52.5	0.4	0.65
SF1604_	FM0032D_-APE_414	2.6	52.5	0.4	0.65
SF1605_	FM0033_-APE_414	5.9	52.4	0.4	0.65
SF1606_	FM0034B_-APE_414	18.5	51.9	0.4	0.65
SF1607_	FM0034A_-APE_414	3.6	51.8	0.4	0.65
SF1608_	FM0035A_-APE_258	1.0	50.8	0.4	0.65
SF1609_	FM0035C_-APE_258	18.4	50.7	0.4	0.65
SF1610_	FM0035B_-APE_258	3.6	50.8	0.4	0.65

SF1611_	FM0036A_-APE_258	1.0	50.0	0.4	0.65
SF1612_	FM0036C_-APE_258	3.6	50.0	0.4	0.65
SF1613_	FM0036B_-APE_258	29.1	50.0	0.4	0.65
SF1614_	FM0037A_-APE_259	1.0	48.1	0.4	0.65
SF1615_	FM0037C_-APE_259	29.1	48.3	0.4	0.65
SF1616_	FM0037B_-APE_259	11.7	48.1	0.4	0.65
SF1617_	FM1001__-APE_87	13.2	77.1	0.4	0.65
SF1618_	FM1003_-APE_88	17.0	72.8	0.4	0.65
SF1619_	FM1004D_-APE_88	1.0	72.2	0.4	0.65
SF1620_	FM1004C_-APE_88	2.9	72.3	0.4	0.65
SF1621_	FM2002_-APE_148	14.0	55.4	0.4	0.65
SF1622_	FM2003_-APE_148	14.3	54.3	0.4	0.65
SF1623_	FM2004D_-APE_415	1.0	53.9	0.4	0.65
SF1624_	FM2004C_-APE_415	6.3	53.6	0.4	0.65
SF1625_	BA0001__-APE_24	14.0	101.0	0.4	0.65
SF1626_	BA0002D_-APE_24	4.3	95.8	0.4	0.65
SF1627_	BA0002C_-APE_24	1.0	96.2	0.4	0.65
SF1628_	BA0002B_-APE_24	1.0	96.2	0.4	0.65
SF1629_	BA0002A_-APE_24	14.1	96.2	0.4	0.65
SF1630_	BA0003_-APE_24	11.1	94.7	0.4	0.65
SF1631_	BA0004A_-APE_24	7.1	92.2	0.4	0.65
SF1632_	BA0004B_-APE_24	2.8	92.2	0.4	0.65
SF1633_	BA0006C_-APE_23	5.1	89.4	0.4	0.65
SF1634_	BA0006D_-APE_23	7.3	89.4	0.4	0.65
SF1635_	BA0007_-APE_25	14.1	88.6	0.4	0.65
SF1636_	BA0008A_-APE_25	7.0	87.5	0.4	0.65
SF1637_	BA0008B_-APE_25	5.2	88.4	0.4	0.65
SF1638_	BA0009_-APE_77	18.6	86.5	0.4	0.65
SF1639_	BA0010_-APE_78	23.3	84.0	0.4	0.65
SF1640_	BA0011_-APE_78	11.8	81.5	0.4	0.65
SF1641_	BA0012_-APE_78	14.2	80.6	0.4	0.65
SF1642_	BA0013_-APE_80	30.7	78.7	0.4	0.65
SF1643_	BA0014C_-APE_69	23.5	72.2	0.4	0.65
SF1644_	BA0014D_-APE_69	3.2	69.9	0.4	0.65
SF1645_	BA0015_-APE_69	5.6	70.3	0.4	0.65
SF1646_	BA0016_-APE_69	3.6	70.9	0.4	0.65
SF1647_	BA0016A_-APE_69	1.2	70.9	0.4	0.65
SF1648_	BA0016B_-APE_69	6.0	71.0	0.4	0.65
SF1649_	BA0017__-APE_139	8.3	68.7	0.4	0.65
SF1650_	BA0019A_-APE_139	12.3	66.4	0.4	0.65
SF1651_	BA0019B_-APE_139	1.0	66.4	0.4	0.65
SF1652_	BA0019C_-APE_139	1.0	66.4	0.4	0.65
SF1653_	BA0019D_-APE_139	6.7	66.4	0.4	0.65
SF1654_	BA0020__-APE_139	12.0	65.5	0.4	0.65
SF1655_	BA0021__-APE_139	14.4	64.8	0.4	0.65
SF1656_	BA0023A_-APE_139	1.0	63.3	0.4	0.65
SF1657_	BA0023B_-APE_139	1.0	63.3	0.4	0.65

SF1658_	BA0023C_-APE_139	1.0	63.3	0.4	0.65
SF1659_	BA0023D_-APE_139	10.6	63.3	0.4	0.65
SF1660_	BA0024_-APE_139	17.8	61.8	0.4	0.65
SF1661_	BA0026_-APE_140	16.1	60.6	0.4	0.65
SF1662_	BA0027_-APE_140	10.2	59.1	0.4	0.65
SF1663_	BA0027_A-APE_140	1.0	58.8	0.4	0.65
SF1664_	BA0029_-APE_140	29.6	57.6	0.4	0.65
SF1665_	BA0030_B-APE_142	7.6	55.1	0.4	0.65
SF1666_	BA0031_A-APE_142	7.6	55.0	0.4	0.65
SF1667_	BA0032A_-APE_142	12.3	54.6	0.4	0.65
SF1668_	BA0032B_-APE_142	1.0	54.6	0.4	0.65
SF1669_	BA0032C_-APE_142	1.0	54.6	0.4	0.65
SF1670_	BA0032D_-APE_143	6.2	54.6	0.4	0.65
SF1671_	BA0033_-APE_143	14.0	53.1	0.4	0.65
SF1672_	BA0034_-APE_143	23.0	52.9	0.4	0.65
SF1673_	BA0035_-APE_143	24.9	52.1	0.4	0.65
SF1674_	BA0036_-APE_143	11.4	51.2	0.4	0.65
SF1675_	BA0037_-APE_143	17.2	51.3	0.4	0.65
SF1676_	BA0038_-APE_143	28.1	50.5	0.4	0.65
SF1677_	BA0039A_-APE_143	12.7	49.8	0.4	0.65
SF1678_	BA0039B_-APE_143	1.0	49.8	0.4	0.65
SF1679_	BA0039C_-APE_255	1.0	49.5	0.4	0.65
SF1680_	BA0039D_-APE_255	4.5	49.5	0.4	0.65
SF1681_	BA0043A_-APE_257	15.5	49.4	0.4	0.65
SF1682_	BA0043B_-APE_257	3.1	49.4	0.4	0.65
SF1683_	BA0041A_-APE_255	4.5	49.2	0.4	0.65
SF1684_	BA0041B_-APE_255	2.6	49.2	0.4	0.65
SF1685_	BA0031_B-APE_142	12.3	54.6	0.4	0.65
SF1686_	BA0030_A-APE_142	10.2	56.0	0.4	0.65
SF1687_	BA0027_B-APE_140	19.6	57.9	0.4	0.65
SF1688_	FI0033_-APE_410	11.3	46.0	0.4	0.65
SF1689_	FI0032_-APE_410	15.8	46.2	0.4	0.65
SF1690_	FI0031A_-APE_410	13.6	46.0	0.4	0.65
SF1691_	FI0023A_-APE_405	11.6	51.4	0.4	0.65
SF1692_	FI0022A_-APE_408	10.6	53.0	0.4	0.65
SF1693_	FI0021A_-APE_345	12.3	52.6	0.4	0.65
SF1694_	FI0020_-APE_345	21.2	53.5	0.4	0.65
SF1695_	FI0017_-APE_345	23.5	53.7	0.4	0.65
SF1696_	FI0008A_-APE_352	10.6	58.2	0.4	0.65
SF1697_	FI0009D_-APE_352	7.8	58.5	0.4	0.65
SF1698_	FI0007_-APE_352	24.0	59.0	0.4	0.65
SF1699_	FI0016A_-APE_344	9.0	54.3	0.4	0.65
SF1700_	FI0024_-APE_405	28.1	51.0	0.4	0.65
SF1701_	FI0006_-APE_352	27.7	60.4	0.4	0.65
SF1702_	FI0005D_-APE_350	14.2	63.0	0.4	0.65
SF1703_	FI0004A_-APE_338	28.5	63.8	0.4	0.65
SF1704_	FI0003_-APE_346	41.0	86.7	0.4	0.65

SF1705_	FI0002D_-APE_346	12.7	101.1	0.4	0.65
SF1706_	FI0001A_-APE_346	1.0	113.5	0.4	0.65
SF1707_	FI0034A_-APE_410	5.0	46.7	0.4	0.65
SF1708_	FI0029A_-APE_403	6.5	46.8	0.4	0.65
SF1709_	FI0027_-APE_403	6.6	47.0	0.4	0.65
SF1710_	FI0025A_-APE_405	16.7	50.4	0.4	0.65
SF1711_	FI0026_-APE_405	9.3	49.5	0.4	0.65
SF1712_	FI0002C_-APE_346	10.5	101.3	0.4	0.65
SF1713_	ST0002_-APE_120	4.6	93.2	0.4	0.65
SF1714_	ST0004_-APE_217	3.2	62.8	0.4	0.65
SF1715_	ST0005_-APE_219	5.0	61.7	0.4	0.65
SF1716_	ST0006A_-APE_219	1.8	60.9	0.4	0.65
SF1717_	ST0007D_-APE_219	1.1	60.2	0.4	0.65
SF1718_	ST0008A_-APE_219	1.0	57.8	0.4	0.65
SF1719_	ST0009_-APE_211	1.3	57.1	0.4	0.65
SF1720_	AN1029_-APE_361	7.7	46.9	0.4	0.65
SF1721_	ST1005B_-APE_121	90.7	87.3	0.4	0.65
SF1722_	FI0002B_-APE_346	10.5	112.6	0.4	0.65
SF1723_	ME1024G_-APE_226	3.2	65.4	0.4	0.65
SF1724_	ME1024E_-APE_231	5.0	65.9	0.4	0.65
SF1725_	ME1023C_-APE_231	4.5	65.6	0.4	0.65
SF1726_	ME1025_-APE_226	3.8	64.3	0.4	0.65
SF1727_	ME1026_-APE_226	1.8	64.2	0.4	0.65
SF1728_	ME1027_-APE_231	4.0	64.2	0.4	0.65
SF1729_	ME1028B_-APE_231	3.0	64.2	0.4	0.65
SF1730_	ME1029_-APE_231	2.0	64.7	0.4	0.65
SF1731_	ME1030_-APE_231	2.7	64.5	0.4	0.65
SF1732_	ME1031_-APE_231	3.2	63.9	0.4	0.65
SF1733_	ME1032_-APE_231	4.9	63.8	0.4	0.65
SF1734_	ME1033_-APE_231	7.7	63.3	0.4	0.65
SF1735_	ME1034_-APE_231	7.9	62.9	0.4	0.65
SF1736_	ME1035_-APE_231	6.8	62.4	0.4	0.65
SF1737_	ME1036_-APE_231	5.7	61.9	0.4	0.65
SF1738_	ME1037_-APE_231	3.4	62.0	0.4	0.65
SF1739_	ME1038_-APE_231	6.4	61.9	0.4	0.65
SF1740_	ME1039_-APE_231	2.6	61.1	0.4	0.65
SF1741_	ME1040_-APE_231	5.3	61.2	0.4	0.65
SF1742_	ME1041_-APE_231	6.8	60.6	0.4	0.65
SF1743_	ME1042_-APE_231	8.2	60.4	0.4	0.65
SF1744_	ME1043_-APE_231	7.8	60.0	0.4	0.65
SF1745_	ME1044_-APE_231	7.6	59.6	0.4	0.65
SF1746_	ME1045_-APE_231	1.0	59.4	0.4	0.65
SF1747_	ME1046_-APE_231	1.0	60.0	0.4	0.65
SF1748_	ME1047_-APE_231	4.0	59.7	0.4	0.65
SF1749_	ME1048_-APE_231	3.7	59.7	0.4	0.65
SF1750_	ME4009_-APE_371	4.9	47.0	0.4	0.65
SF1751_	ME1010_-APE_230	1.2	76.5	0.4	0.65

SF1752_	ME1010B_-APE_230	1.0	76.5	0.4	0.65
SF1753_	ME5001_-APE_231	3.9	60.0	0.4	0.65
SF1754_	FI0022B_-APE_408	11.6	52.3	0.4	0.65
SF1755_	CA4008A_-APE_254	9.5	45.6	0.4	0.65
SF1756_	CA4007A_-APE_254	3.2	46.4	0.4	0.65
SF1757_	CA4006_-APE_254	22.4	46.3	0.4	0.65
SF1758_	CA4005_-APE_254	50.3	45.3	0.4	0.65
SF1759_	CA4004_-APE_254	45.7	45.9	0.4	0.65
SF1760_	CA4003_-APE_254	26.4	46.8	0.4	0.65
SF1761_	CA4002_-APE_254	15.5	47.1	0.4	0.65
SF1762_	CA4001_-APE_254	3.8	46.5	0.4	0.65
SF1763_	BA0023_A-APE_139	9.1	63.8	0.4	0.65
SF1764_	GR1002B_-APE_364	4.7	45.3	0.4	0.65
SF1765_	MA1001A_-APE_370	1.0	44.2	0.4	0.65
SF1766_	SA1002_-APE_364	17.9	45.3	0.4	0.65
SF1767_	SA1003_-APE_364	27.9	45.3	0.4	0.65
SF1768_	SM1003A_-APE_371	1.0	43.9	0.4	0.65
SF1769_	MA1001D_-APE_371	1.0	44.2	0.4	0.65
SF1770_	SA1004D_-APE_371	1.0	44.2	0.4	0.65
SF1771_	SM1001A_-APE_371	1.0	44.2	0.4	0.65
SF1772_	SM1001D_-APE_371	1.0	43.9	0.4	0.65
SF1773_	FU5030_-APE_193	2.0	53.6	0.4	0.65
SF1774_	BG0001_-APE_244	3.0	114.8	0.4	0.65
SF1775_	PL1004A_-APE_363	1.0	48.4	0.4	0.65
SF1776_	PL1003A_-APE_363	1.0	48.1	0.4	0.65
SF1777_	GR1020C_-APE_367	1.0	47.0	0.4	0.65
SF1778_	GR1019A_-APE_367	2.6	45.2	0.4	0.65
SF1779_	AN1040A_-APE_359	4.7	47.1	0.4	0.65
SF1780_	AN1039A_-APE_359	3.1	47.7	0.4	0.65
SF1781_	AN1038D_-APE_359	3.1	46.2	0.4	0.65
SF1782_	AN1037A_-APE_359	1.0	47.9	0.4	0.65
SF1783_	AN1036D_-APE_359	1.0	46.8	0.4	0.65
SF1784_	AN1033A_-APE_361	4.2	46.8	0.4	0.65
SF1785_	AN1032_-APE_361	6.7	45.6	0.4	0.65
SF1786_	AN1031D_-APE_361	2.7	46.6	0.4	0.65
SF1787_	AN1026A_-APE_360	1.0	47.8	0.4	0.65
SF1788_	AN1025D_-APE_360	1.0	47.0	0.4	0.65
SF1789_	AN1022D_-APE_360	11.4	47.4	0.4	0.65
SF1790_	BG4021_-APE_402	28.3	53.3	0.4	0.65
SF1791_	BG4022_-APE_402	23.1	52.1	0.4	0.65
SF1792_	BG4023A_-APE_402	9.5	52.0	0.4	0.65
SF1793_	BG4024_-APE_402	30.8	51.4	0.4	0.65
SF1794_	BG4025_-APE_397	33.9	50.7	0.4	0.65
SF1795_	BG4026_-APE_383	29.7	49.7	0.4	0.65
SF1796_	BG4027_-APE_383	24.2	49.5	0.4	0.65
SF1797_	BG4029_-APE_384	21.8	49.0	0.4	0.65
SF1798_	ME5110_-APE_375	5.5	47.7	0.4	0.65

SF1799_	ME5120A_-APE_380	1.0	46.7	0.4	0.65
SF1800_	ME5119_-APE_380	3.5	47.0	0.4	0.65
SF1801_	ME5111_-APE_375	7.9	47.5	0.4	0.65
SF1802_	ME5107_-APE_386	10.4	47.8	0.4	0.65
SF1803_	ME5106_-APE_386	9.0	48.5	0.4	0.65
SF1804_	ME5105_-APE_386	5.5	48.4	0.4	0.65
SF1805_	ME5104_-APE_386	4.5	48.2	0.4	0.65
SF1806_	ME5103_-APE_385	7.3	48.2	0.4	0.65
SF1807_	ME5102_-APE_385	8.5	48.4	0.4	0.65
SF1808_	ME5099_-APE_310	3.7	48.1	0.4	0.65
SF1809_	ME5098_-APE_310	11.7	48.4	0.4	0.65
SF1810_	ME5097_-APE_310	11.1	48.4	0.4	0.65
SF1811_	ME5096_-APE_310	4.8	48.7	0.4	0.65
SF1812_	ME5093_-APE_310	4.1	48.6	0.4	0.65
SF1813_	ME5084_-APE_306	1.3	50.0	0.4	0.65
SF1814_	ME5083_-APE_306	1.1	50.1	0.4	0.65
SF1815_	ME5043_-APE_297	1.4	52.8	0.4	0.65
SF1816_	ME5036_-APE_297	4.2	55.0	0.4	0.65
SF1817_	ME5035_-APE_297	1.7	55.1	0.4	0.65
SF1818_	ME5034_-APE_297	1.0	55.2	0.4	0.65
SF1819_	ME5033_-APE_297	1.0	55.2	0.4	0.65
SF1820_	ME5032_-APE_297	1.0	55.2	0.4	0.65
SF1821_	ME5031_-APE_297	1.9	55.2	0.4	0.65
SF1822_	ME5030_-APE_297	2.3	55.2	0.4	0.65
SF1823_	ME5029_-APE_297	2.2	55.2	0.4	0.65
SF1824_	ME5028_-APE_297	2.8	55.2	0.4	0.65
SF1825_	ME5027_-APE_297	2.0	55.1	0.4	0.65
SF1826_	ME5026_-APE_297	1.4	55.1	0.4	0.65
SF1827_	ME5109A_-APE_386	1.0	47.6	0.4	0.65
SF1828_	ME5101_-APE_385	3.8	48.5	0.4	0.65
SF1829_	ME5007_-APE_228	4.4	58.9	0.4	0.65
SF1830_	ME5008_-APE_228	2.8	58.8	0.4	0.65
SF1831_	ME5009_-APE_228	1.1	58.8	0.4	0.65
SF1832_	ME5010_-APE_302	2.3	58.4	0.4	0.65
SF1833_	ME5011_-APE_302	2.2	58.4	0.4	0.65
SF1834_	ME5108_-APE_386	1.9	47.7	0.4	0.65
SF1835_	FU5007_-APE_191	1.0	57.4	0.4	0.65
SF1836_	FU5006_-APE_191	1.0	57.4	0.4	0.65
SF1837_	FU5005_-APE_191	1.0	57.5	0.4	0.65
SF1838_	FU5004_-APE_191	1.0	57.6	0.4	0.65
SF1839_	FU5003_-APE_191	2.9	57.6	0.4	0.65
SF1840_	FU5062_-APE_289	6.9	47.7	0.4	0.65
SF1841_	FU5042_-APE_193	4.1	52.1	0.4	0.65
SF1842_	AG3003_-APE_03	3.0	135.9	0.4	0.65
SF1843_	AG3005_-APE_06	3.4	132.4	0.4	0.65
SF1844_	AG3006_-APE_06	1.9	131.9	0.4	0.65
SF1845_	AG3012A_-APE_07	3.1	129.0	0.4	0.65

SF1846_	AG4037_-APE_267	14.7	60.5	0.4	0.65
SF1847_	AG4020_-APE_159	15.7	72.5	0.4	0.65
SF1848_	AG4010_-APE_34	15.9	83.8	0.4	0.65
SF1849_	AG4011_-APE_34	15.8	82.7	0.4	0.65
SF1850_	AG4018_-APE_158	15.4	75.6	0.4	0.65
SF1851_	AG4019_-APE_159	8.5	74.1	0.4	0.65
SF1852_	SE2069_-APE_50	2.6	75.0	0.4	0.65
SF1853_	SE2070A_-APE_50	1.7	74.3	0.4	0.65
SF1854_	SE2071_-APE_50	3.8	74.2	0.4	0.65
SF1855_	SE2072_-APE_50	5.5	73.9	0.4	0.65
SF1856_	SE2073_-APE_50	11.7	73.7	0.4	0.65
SF1857_	SE2074A_-APE_50	9.6	72.3	0.4	0.65
SF1858_	SE2075_-APE_50	1.0	71.7	0.4	0.65
SF1859_	SE2076A_-APE_50	1.0	71.5	0.4	0.65
SF1860_	SE2077_-APE_50	7.1	71.1	0.4	0.65
SF1861_	SE2078_-APE_50	4.1	70.4	0.4	0.65
SF1862_	SE2079A_-APE_50	1.0	70.3	0.4	0.65
SF1863_	SE2080A_-APE_50	1.0	69.8	0.4	0.65
SF1864_	SE2081_-APE_50	8.5	69.6	0.4	0.65
SF1865_	SE2082_-APE_50	12.9	68.8	0.4	0.65
SF1866_	SE2083_-APE_50	11.5	68.1	0.4	0.65
SF1867_	SE2084_-APE_50	11.4	67.5	0.4	0.65
SF1868_	SE2085A_-APE_50	5.1	66.5	0.4	0.65
SF1869_	SE2086_-APE_50	1.4	65.8	0.4	0.65
SF1870_	SE2087_-APE_50	6.4	67.0	0.4	0.65
SF1871_	SE2088_-APE_50	9.4	65.9	0.4	0.65
SF1872_	SE2089_-APE_50	6.2	65.9	0.4	0.65
SF1873_	SE2090_-APE_50	12.6	65.3	0.4	0.65
SF1874_	SE2091A_-APE_50	10.4	64.4	0.4	0.65
SF1875_	SE2092_-APE_50	4.0	64.5	0.4	0.65
SF1876_	SE2093A_-APE_50	3.5	64.0	0.4	0.65
SF1877_	SE2094_-APE_50	5.6	63.3	0.4	0.65
SF1878_	SE2096A_-APE_50	1.4	62.9	0.4	0.65
SF1879_	SE2097A_-APE_50	1.0	62.7	0.4	0.65
SF1880_	SE2098A_-APE_50	1.0	62.3	0.4	0.65
SF1881_	SE2099_-APE_50	10.9	62.0	0.4	0.65
SF1882_	SE2100_-APE_50	9.2	61.3	0.4	0.65
SF1883_	SE2101_-APE_50	5.2	60.1	0.4	0.65
SF1884_	SE2102A_-APE_50	1.0	61.2	0.4	0.65
SF1885_	SE2103_-APE_47	1.0	61.1	0.4	0.65
SF1886_	SE2104_-APE_47	1.0	60.3	0.4	0.65
SF1887_	BG0002_-APE_244	3.0	106.3	0.4	0.65
SF1888_	BG0003A_-APE_244	1.9	102.3	0.4	0.65
SF1889_	SC0001A_-APE_94	1.0	78.2	0.4	0.65
SF1890_	SC0001B_-APE_94	8.5	78.2	0.4	0.65
SF1891_	SC0002D_-APE_81	1.0	74.9	0.4	0.65
SF1892_	SC0002C_-APE_81	8.5	74.8	0.4	0.65

SF1893_	FM0011A_-APE_97	1.0	72.7	0.4	0.65
SF1894_	FM0011B_-APE_97	1.3	72.5	0.4	0.65
SF1895_	FM0012B_-APE_97	1.0	72.2	0.4	0.65
SF1896_	FM0013C_-APE_88	2.2	71.1	0.4	0.65
SF1897_	FM0013A_-APE_88	1.0	71.1	0.4	0.65
SF1898_	FM0013B_-APE_88	3.4	71.1	0.4	0.65
SF1899_	FM0022_-APE_147	2.0	58.9	0.4	0.65
SF1900_	FM0023B_-APE_147	4.6	57.3	0.4	0.65
SF1901_	FM0024_-APE_148	2.0	56.1	0.4	0.65
SF1902_	FM0038C_-APE_259	5.8	47.4	0.4	0.65
SF1903_	FM0038D_-APE_259	1.0	47.4	0.4	0.65
SF1904_	FM0012A_-APE_97	3.1	72.2	0.4	0.65
SF1905_	FM0012C_-APE_97	1.0	72.2	0.4	0.65
SF1906_	FM0012D_-APE_97	5.6	72.2	0.4	0.65
SF1907_	FM2001_-APE_148	3.0	56.1	0.4	0.65
SF1908_	BA0005B_-APE_24	2.5	91.1	0.4	0.65
SF1909_	BA0005D_-APE_24	1.0	91.3	0.4	0.65
SF1910_	BA0005A_-APE_24	1.0	91.1	0.4	0.65
SF1911_	BA0005C_-APE_24	1.4	91.3	0.4	0.65
SF1912_	BA0017C_-APE_69	3.0	70.3	0.4	0.65
SF1913_	BA0017D_-APE_139	1.0	70.3	0.4	0.65
SF1914_	BA0018_-APE_139	9.9	68.2	0.4	0.65
SF1915_	BA0025A_-APE_139	3.7	61.7	0.4	0.65
SF1916_	BA0025B_-APE_139	1.0	61.7	0.4	0.65
SF1917_	BA0025C_-APE_139	1.0	61.6	0.4	0.65
SF1918_	BA0025D_-APE_139	3.1	61.6	0.4	0.65
SF1919_	BA0042C_-APE_257	1.3	49.3	0.4	0.65
SF1920_	BA0042D_-APE_257	7.8	49.3	0.4	0.65
SF1921_	BA0043D_-APE_257	1.1	49.3	0.4	0.65
SF1922_	BA0043C_-APE_257	1.6	49.3	0.4	0.65
SF1923_	FI0030_-APE_410	11.7	46.3	0.4	0.65
SF1924_	FI0019_-APE_345	9.3	53.8	0.4	0.65
SF1925_	FI0018_-APE_345	9.0	53.3	0.4	0.65
SF1926_	FI0015_-APE_355	10.5	55.5	0.4	0.65
SF1927_	FI0011_-APE_354	10.2	57.3	0.4	0.65
SF1928_	FI0010_-APE_354	7.9	56.9	0.4	0.65
SF1929_	FI0013C_-APE_355	1.0	56.6	0.4	0.65
SF1930_	FI0012A_-APE_354	6.2	56.4	0.4	0.65
SF1931_	FI0014_-APE_355	8.2	55.6	0.4	0.65
SF1932_	FI0028_-APE_403	4.6	47.1	0.4	0.65
SF1933_	ST0001_-APE_120	3.4	96.4	0.4	0.65
SF1934_	ST0003_-APE_120	6.3	88.1	0.4	0.65
SF1935_	ME0001A_-APE_228	1.0	59.0	0.4	0.65
SF1936_	PL1001A_-APE_364	1.0	46.8	0.4	0.65
SF1937_	ME1022A_-APE_233	2.1	66.9	0.4	0.65
SF1938_	ME1023A_-APE_233	1.5	66.2	0.4	0.65
SF1939_	PL1002A_-APE_364	1.0	46.3	0.4	0.65

SF1940_	PL1002D_-APE_363	1.0	52.0	0.4	0.65
SF1941_	GR1001C_-APE_369	1.0	45.3	0.4	0.65
SF1942_	ME3001A_-APE_297	1.0	54.0	0.4	0.65
SF1943_	SA1003B_-APE_369	14.0	44.9	0.4	0.65
SF1944_	SA1003C_-APE_369	23.5	44.9	0.4	0.65
SF1945_	ME6003_-APE_381	3.8	46.4	0.4	0.65
SF1946_	PL1004A_-APE_363	1.0	48.5	0.4	0.65
SF1947_	PL1003A_-APE_363	1.0	48.1	0.4	0.65
SF1948_	GR1020C_-APE_368	1.0	47.0	0.4	0.65
SF1949_	GR1019A_-APE_368	1.3	45.4	0.4	0.65
SF1950_	AN1040A_-APE_362	2.3	47.2	0.4	0.65
SF1951_	AN1039A_-APE_362	1.6	47.9	0.4	0.65
SF1952_	AN1038D_-APE_362	1.6	47.9	0.4	0.65
SF1953_	AN1037A_-APE_362	1.0	47.9	0.4	0.65
SF1954_	AN1036D_-APE_362	1.0	47.3	0.4	0.65
SF1955_	AN1033A_-APE_362	2.1	47.6	0.4	0.65
SF1956_	AN1032_-APE_362	3.4	48.0	0.4	0.65
SF1957_	AN1031D_-APE_362	1.4	48.1	0.4	0.65
SF1958_	AN1026A_-APE_363	1.0	47.7	0.4	0.65
SF1959_	AN1025D_-APE_363	1.0	47.0	0.4	0.65
SF1960_	AN1022D_-APE_363	5.7	47.4	0.4	0.65
SF1961_	AN1021A_-APE_364	1.0	47.3	0.4	0.65
SF1962_	BG4021_-APE_405	14.2	53.2	0.4	0.65
SF1963_	BG4022_-APE_403	11.5	52.7	0.4	0.65
SF1964_	BG4023A_-APE_403	4.8	52.9	0.4	0.65
SF1965_	BG4024_-APE_403	15.4	51.4	0.4	0.65
SF1966_	BG4025_-APE_403	17.0	50.5	0.4	0.65
SF1967_	BG4026_-APE_403	14.9	50.0	0.4	0.65
SF1968_	BG4027_-APE_403	12.1	49.2	0.4	0.65
SF1969_	BG4029_-APE_410	10.9	48.3	0.4	0.65
SF1970_	ME5110_-APE_389	2.8	47.7	0.4	0.65
SF1971_	ME5120A_-APE_382	1.0	46.7	0.4	0.65
SF1972_	ME5119_-APE_382	1.7	46.7	0.4	0.65
SF1973_	ME5111_-APE_389	3.9	48.0	0.4	0.65
SF1974_	ME5107_-APE_388	5.2	47.8	0.4	0.65
SF1975_	ME5106_-APE_388	4.5	48.0	0.4	0.65
SF1976_	ME5105_-APE_388	2.8	48.1	0.4	0.65
SF1977_	ME5104_-APE_388	2.2	48.2	0.4	0.65
SF1978_	ME5103_-APE_388	3.6	48.2	0.4	0.65
SF1979_	ME5102_-APE_387	4.3	48.4	0.4	0.65
SF1980_	ME5099_-APE_394	1.8	48.1	0.4	0.65
SF1981_	ME5098_-APE_394	5.9	48.4	0.4	0.65
SF1982_	ME5097_-APE_394	5.6	48.4	0.4	0.65
SF1983_	ME5096_-APE_394	2.4	47.9	0.4	0.65
SF1984_	ME5093_-APE_311	2.1	48.4	0.4	0.65
SF1985_	ME5084_-APE_311	1.0	48.9	0.4	0.65
SF1986_	ME5083_-APE_311	1.0	50.8	0.4	0.65

SF1987_	ME5036_-APE_303	2.1	55.0	0.4	0.65
SF1988_	ME5035_-APE_303	1.0	55.1	0.4	0.65
SF1989_	ME5034_-APE_303	1.0	55.2	0.4	0.65
SF1990_	ME5033_-APE_303	1.0	55.2	0.4	0.65
SF1991_	ME5032_-APE_303	1.0	55.2	0.4	0.65
SF1992_	ME5031_-APE_303	1.0	55.2	0.4	0.65
SF1993_	ME5030_-APE_303	1.1	55.2	0.4	0.65
SF1994_	ME5029_-APE_303	1.1	55.2	0.4	0.65
SF1995_	ME5028_-APE_303	1.4	55.2	0.4	0.65
SF1996_	ME5027_-APE_303	1.0	55.1	0.4	0.65
SF1997_	ME5026_-APE_303	1.0	55.1	0.4	0.65
SF1998_	ME5109A_-APE_388	1.0	47.5	0.4	0.65
SF1999_	ME5101_-APE_387	1.9	48.5	0.4	0.65
SF2000_	ME5007_-APE_412	2.2	58.9	0.4	0.65
SF2001_	ME5008_-APE_412	1.4	58.8	0.4	0.65
SF2002_	ME5009_-APE_412	1.0	58.8	0.4	0.65
SF2003_	ME5010_-APE_303	1.2	58.4	0.4	0.65
SF2004_	ME5011_-APE_303	2.2	58.4	0.4	0.65
SF2005_	ME5108_-APE_388	1.9	47.7	0.4	0.65
SF2006_	FU5007_-APE_210	1.0	57.4	0.4	0.65
SF2007_	FU5006_-APE_210	1.0	57.4	0.4	0.65
SF2008_	FU5005_-APE_210	1.0	57.5	0.4	0.65
SF2009_	FU5004_-APE_210	1.0	57.6	0.4	0.65
SF2010_	FU5003_-APE_210	2.9	57.6	0.4	0.65
SF2011_	FU5062_-APE_373	6.9	47.6	0.4	0.65
SF2012_	FU5042_-APE_287	4.1	51.5	0.4	0.65
SF2013_	AG3003_-APE_04	1.5	134.4	0.4	0.65
SF2014_	AG3005_-APE_04	1.7	132.8	0.4	0.65
SF2015_	AG3006_-APE_04	1.0	131.9	0.4	0.65
SF2016_	AG3012A_-APE_09	1.6	128.4	0.4	0.65
SF2017_	AG4037_-APE_278	7.4	60.0	0.4	0.65
SF2018_	AG4020_-APE_413	7.8	73.5	0.4	0.65
SF2019_	AG4010_-APE_101	8.0	83.8	0.4	0.65
SF2020_	AG4011_-APE_101	7.9	82.9	0.4	0.65
SF2021_	AG4018_-APE_165	7.7	75.5	0.4	0.65
SF2022_	AG4019_-APE_413	4.2	74.0	0.4	0.65
SF2023_	SE2069_-APE_133	1.3	75.2	0.4	0.65
SF2024_	SE2070A_-APE_133	1.0	75.3	0.4	0.65
SF2025_	SE2071_-APE_133	1.9	74.8	0.4	0.65
SF2026_	SE2072_-APE_133	2.7	73.8	0.4	0.65
SF2027_	SE2073_-APE_133	5.8	73.6	0.4	0.65
SF2028_	SE2074A_-APE_133	4.8	72.2	0.4	0.65
SF2029_	SE2075_-APE_133	1.0	71.6	0.4	0.65
SF2030_	SE2076A_-APE_133	1.0	71.4	0.4	0.65
SF2031_	SE2077_-APE_133	3.5	71.1	0.4	0.65
SF2032_	SE2078_-APE_133	2.1	70.4	0.4	0.65
SF2033_	SE2079A_-APE_133	1.0	70.2	0.4	0.65

SF2034_	SE2080A_-APE_133	1.0	69.9	0.4	0.65
SF2035_	SE2081_-APE_133	4.2	69.9	0.4	0.65
SF2036_	SE2082_-APE_133	6.5	69.0	0.4	0.65
SF2037_	SE2083_-APE_133	5.7	68.2	0.4	0.65
SF2038_	SE2084_-APE_133	5.7	67.8	0.4	0.65
SF2039_	SE2085A_-APE_125	2.6	66.6	0.4	0.65
SF2040_	SE2086_-APE_125	1.0	65.6	0.4	0.65
SF2041_	SE2087_-APE_125	3.2	66.9	0.4	0.65
SF2042_	SE2088_-APE_125	4.7	66.2	0.4	0.65
SF2043_	SE2089_-APE_125	3.1	66.0	0.4	0.65
SF2044_	SE2090_-APE_125	6.3	65.8	0.4	0.65
SF2045_	SE2091A_-APE_125	5.2	64.7	0.4	0.65
SF2046_	SE2092_-APE_125	2.0	64.5	0.4	0.65
SF2047_	SE2093A_-APE_125	1.8	64.0	0.4	0.65
SF2048_	SE2094_-APE_125	2.8	63.3	0.4	0.65
SF2049_	SE2096A_-APE_125	1.0	63.1	0.4	0.65
SF2050_	SE2097A_-APE_125	1.0	62.4	0.4	0.65
SF2051_	SE2098A_-APE_125	1.0	62.0	0.4	0.65
SF2052_	SE2099_-APE_125	5.4	61.6	0.4	0.65
SF2053_	SE2100_-APE_125	4.6	61.2	0.4	0.65
SF2054_	SE2101_-APE_125	2.6	59.7	0.4	0.65
SF2055_	SE2102A_-APE_125	1.0	60.7	0.4	0.65
SF2056_	SE2103_-APE_125	1.5	60.5	0.4	0.65
SF2057_	SE2104_-APE_125	2.6	60.2	0.4	0.65
SF2058_	BG0002_-APE_245	6.1	105.9	0.4	0.65
SF2059_	BG0003A_-APE_245	4.6	102.7	0.4	0.65
SF2060_	SC0001A_-APE_97	1.0	78.2	0.4	0.65
SF2061_	SC0001B_-APE_97	21.3	78.2	0.4	0.65
SF2062_	SC0002D_-APE_82	1.0	74.9	0.4	0.65
SF2063_	SC0002C_-APE_82	21.3	74.8	0.4	0.65
SF2064_	FM0011A_-APE_89	1.0	72.3	0.4	0.65
SF2065_	FM0011B_-APE_89	3.1	72.5	0.4	0.65
SF2066_	FM0012B_-APE_89	1.0	72.2	0.4	0.65
SF2067_	FM0013C_-APE_89	2.8	71.1	0.4	0.65
SF2068_	FM0013A_-APE_89	1.0	71.1	0.4	0.65
SF2069_	FM0013B_-APE_89	6.8	71.1	0.4	0.65
SF2070_	FM0022_-APE_155	4.0	58.6	0.4	0.65
SF2071_	FM0023B_-APE_155	4.6	57.3	0.4	0.65
SF2072_	FM0024_-APE_156	3.9	56.0	0.4	0.65
SF2073_	FM0038C_-APE_263	5.8	47.4	0.4	0.65
SF2074_	FM0038D_-APE_263	1.0	47.4	0.4	0.65
SF2075_	FM0012A_-APE_89	3.1	72.2	0.4	0.65
SF2076_	FM0012C_-APE_89	1.0	72.2	0.4	0.65
SF2077_	FM0012D_-APE_89	5.6	72.2	0.4	0.65
SF2078_	FM2001_-APE_156	3.0	56.0	0.4	0.65
SF2079_	BA0005B_-APE_26	2.5	91.1	0.4	0.65
SF2080_	BA0005D_-APE_26	1.0	91.3	0.4	0.65

SF2081_	BA0005A_-APE_26	1.0	91.1	0.4	0.65
SF2082_	BA0005C_-APE_26	1.4	91.3	0.4	0.65
SF2083_	BA0017C_-APE_151	3.0	70.3	0.4	0.65
SF2084_	BA0017D_-APE_151	1.0	70.3	0.4	0.65
SF2085_	BA0018_-APE_151	9.9	68.2	0.4	0.65
SF2086_	BA0025A_-APE_141	3.7	61.7	0.4	0.65
SF2087_	BA0025B_-APE_141	1.0	61.7	0.4	0.65
SF2088_	BA0025C_-APE_141	1.0	61.6	0.4	0.65
SF2089_	BA0025D_-APE_141	3.1	61.6	0.4	0.65
SF2090_	BA0042C_-APE_259	1.3	49.3	0.4	0.65
SF2091_	BA0042D_-APE_259	7.8	49.3	0.4	0.65
SF2092_	BA0043D_-APE_259	1.1	49.3	0.4	0.65
SF2093_	BA0043C_-APE_259	1.6	49.3	0.4	0.65
SF2094_	FI0030_-APE_411	11.7	46.4	0.4	0.65
SF2095_	FI0019_-APE_409	9.3	53.5	0.4	0.65
SF2096_	FI0018_-APE_409	9.0	53.5	0.4	0.65
SF2097_	FI0015_-APE_409	10.5	55.3	0.4	0.65
SF2098_	FI0011_-APE_356	10.2	57.3	0.4	0.65
SF2099_	FI0010_-APE_356	7.9	56.8	0.4	0.65
SF2100_	FI0013C_-APE_409	1.0	56.6	0.4	0.65
SF2101_	FI0012A_-APE_356	6.2	56.7	0.4	0.65
SF2102_	FI0014_-APE_409	8.2	55.6	0.4	0.65
SF2103_	FI0028_-APE_406	4.6	47.1	0.4	0.65
SF2104_	ST0001_-APE_122	3.4	95.3	0.4	0.65
SF2105_	ST0003_-APE_122	6.3	87.8	0.4	0.65
SF2106_	ME0001A_-APE_412	1.0	58.9	0.4	0.65
SF2107_	PL1001A_-APE_364	1.0	46.8	0.4	0.65
SF2108_	ME1022A_-APE_235	2.1	66.9	0.4	0.65
SF2109_	ME1023A_-APE_235	1.5	66.2	0.4	0.65
SF2110_	PL1002A_-APE_364	1.0	46.5	0.4	0.65
SF2111_	PL1002D_-APE_363	1.0	52.0	0.4	0.65
SF2112_	CM5009_-APE_307	2.0	51.7	0.4	0.65
SF2113_	CM5008_-APE_307	2.0	51.7	0.4	0.65
SF2114_	CM5007_-APE_308	3.5	51.7	0.4	0.65
SF2115_	CM5006_-APE_308	5.4	51.8	0.4	0.65
SF2116_	CM5005_-APE_308	3.7	51.8	0.4	0.65
SF2117_	CM5004_-APE_308	2.0	51.0	0.4	0.65
SF2118_	CM5003_-APE_308	2.5	51.0	0.4	0.65
SF2119_	CM5002_-APE_308	2.4	51.0	0.4	0.65
SF2120_	CM5001_-APE_308	1.1	51.0	0.4	0.65
SF2121_	CM5011_-APE_307	1.2	51.3	0.4	0.65
SF2122_	GR1001C_-APE_369	1.0	45.3	0.4	0.65
SF2123_	CM5010_-APE_307	2.1	51.6	0.4	0.65
SF2124_	BU4016_-APE_274	7.7	47.3	0.4	0.65
SF2125_	BU4005_-APE_362	6.0	47.6	0.4	0.65
SF2126_	BU4038_-APE_47	15.6	52.8	0.4	0.65
SF2127_	BU4039_-APE_47	9.8	52.6	0.4	0.65

SF2128_	BU4040_-APE_47	9.6	52.2	0.4	0.65
SF2129_	BU4041_-APE_47	12.0	53.5	0.4	0.65
SF2130_	BU4042A_-APE_47	2.9	53.8	0.4	0.65
SF2131_	BU4043_-APE_47	2.9	55.1	0.4	0.65
SF2132_	BU4037B_-APE_129	1.0	52.6	0.4	0.65
SF2133_	BU4036_-APE_129	8.0	52.0	0.4	0.65
SF2134_	BU4035_-APE_129	7.7	53.1	0.4	0.65
SF2135_	BU4034_-APE_129	7.7	52.7	0.4	0.65
SF2136_	BU4033_-APE_129	6.1	52.7	0.4	0.65
SF2137_	BU4032B_-APE_129	1.0	51.7	0.4	0.65
SF2138_	BU4031_-APE_256	8.2	50.1	0.4	0.65
SF2139_	BU4030_-APE_256	10.7	50.5	0.4	0.65
SF2140_	BU4029_-APE_256	11.7	49.8	0.4	0.65
SF2141_	BU4028_-APE_256	13.7	49.2	0.4	0.65
SF2142_	BU4027_-APE_256	10.7	49.2	0.4	0.65
SF2143_	BU4026A_-APE_257	4.0	49.2	0.4	0.65
SF2144_	BU4025_-APE_257	3.6	48.4	0.4	0.65
SF2145_	BU4024A_-APE_259	6.2	49.8	0.4	0.65
SF2146_	BU4023_-APE_263	5.1	48.9	0.4	0.65
SF2147_	BU4022_-APE_263	6.5	49.1	0.4	0.65
SF2148_	BU4021_-APE_263	10.5	49.4	0.4	0.65
SF2149_	BU4020_-APE_263	10.9	48.1	0.4	0.65
SF2150_	BU4019_-APE_263	9.4	48.4	0.4	0.65
SF2151_	BU4018_-APE_263	8.6	48.0	0.4	0.65
SF2152_	BU4017_-APE_274	6.9	47.8	0.4	0.65
SF2153_	BU4015_-APE_274	9.7	48.2	0.4	0.65
SF2154_	BU4014_-APE_358	12.1	47.6	0.4	0.65
SF2155_	BU4013_-APE_358	7.7	46.9	0.4	0.65
SF2156_	BU4012_-APE_359	6.3	46.8	0.4	0.65
SF2157_	BU4011_-APE_359	10.3	47.1	0.4	0.65
SF2158_	BU4010_-APE_359	10.3	46.7	0.4	0.65
SF2159_	BU4009B_-APE_359	1.0	47.8	0.4	0.65
SF2160_	BU4008_-APE_362	8.7	47.9	0.4	0.65
SF2161_	BU4007_-APE_362	10.1	46.8	0.4	0.65
SF2162_	BU4006_-APE_362	12.2	47.3	0.4	0.65
SF2163_	BU4004_-APE_368	4.7	46.9	0.4	0.65
SF2164_	BU4003_-APE_368	14.0	47.0	0.4	0.65
SF2165_	BU4002_-APE_368	13.6	47.2	0.4	0.65
SF2166_	BU4001_-APE_368	4.4	46.7	0.4	0.65
SF2167_	GR1018_-APE_368	7.1	44.8	0.4	0.65
SF2168_	GR1015_-APE_366	2.6	44.7	0.4	0.65
SF2169_	GR1016A_-APE_366	1.0	44.7	0.4	0.65
SF2170_	GR1017_-APE_368	6.0	45.6	0.4	0.65
SF2171_	GR1014_-APE_366	2.7	44.6	0.4	0.65
SF2172_	GR1013_-APE_366	1.0	44.6	0.4	0.65
SF2173_	GR1012_-APE_366	4.7	44.6	0.4	0.65
SF2174_	GR1011_-APE_366	5.7	44.5	0.4	0.65

SF2175_	GR1010_-APE_366	3.9	44.5	0.4	0.65
SF2176_	GR1009_-APE_366	5.1	44.6	0.4	0.65
SF2177_	GR1008D_-APE_366	2.5	44.6	0.4	0.65
SF2178_	GR1007A_-APE_366	1.0	44.5	0.4	0.65
SF2179_	GR1006_-APE_366	1.0	44.5	0.4	0.65
SF2180_	GR1005D_-APE_366	1.0	45.8	0.4	0.65
SF2181_	GR1004_-APE_365	2.1	44.8	0.4	0.65
SF2182_	GR1003_-APE_365	3.5	46.7	0.4	0.65
SF2183_	GR1001B_-APE_369	1.0	45.3	0.4	0.65
SF2184_	AN1035A_-APE_362	1.6	47.8	0.4	0.65
SF2185_	AN1034D_-APE_362	1.6	47.5	0.4	0.65
SF2186_	AN1030A_-APE_362	2.9	48.1	0.4	0.65
SF2187_	AN1028_-APE_362	1.2	47.6	0.4	0.65
SF2188_	AN1027D_-APE_362	1.0	47.2	0.4	0.65
SF2189_	AN1024A_-APE_363	1.0	47.1	0.4	0.65
SF2190_	AN1023_-APE_363	6.3	47.5	0.4	0.65
SF2191_	AN1020A_-APE_364	1.4	47.3	0.4	0.65
SF2192_	AN1019_-APE_364	2.8	47.8	0.4	0.65
SF2193_	AN1018_-APE_364	2.3	47.8	0.4	0.65
SF2194_	AN1017_-APE_285	2.2	47.6	0.4	0.65
SF2195_	AN1016_-APE_285	1.5	47.3	0.4	0.65
SF2196_	AN1015_-APE_285	1.4	47.1	0.4	0.65
SF2197_	AN1014_-APE_285	2.3	47.3	0.4	0.65
SF2198_	AN1013_-APE_285	2.7	47.4	0.4	0.65
SF2199_	AN1012_-APE_285	3.6	48.3	0.4	0.65
SF2200_	AN1011_-APE_285	3.2	48.2	0.4	0.65
SF2201_	AN1010_-APE_285	2.3	49.2	0.4	0.65
SF2202_	AN1009D_-APE_285	1.7	49.5	0.4	0.65
SF2203_	AN1008_-APE_285	8.1	47.8	0.4	0.65
SF2204_	AN1007_-APE_285	11.5	48.0	0.4	0.65
SF2205_	AN1006_-APE_284	5.3	48.4	0.4	0.65
SF2206_	AN1005_-APE_284	11.4	48.4	0.4	0.65
SF2207_	AN1004_-APE_284	11.0	48.9	0.4	0.65
SF2208_	AN1003_-APE_284	1.0	49.0	0.4	0.65
SF2209_	AN1002_-APE_284	23.5	49.0	0.4	0.65
SF2210_	AN1001A_-APE_283	1.0	53.4	0.4	0.65
SF2211_	BG4002A_-APE_248	2.3	71.3	0.4	0.65
SF2212_	BG4003_-APE_248	2.7	70.1	0.4	0.65
SF2213_	BG4004A_-APE_252	1.2	69.5	0.4	0.65
SF2214_	BG4005_-APE_252	6.0	69.0	0.4	0.65
SF2215_	BG4006_-APE_252	7.7	68.2	0.4	0.65
SF2216_	BG4007_-APE_252	6.9	67.5	0.4	0.65
SF2217_	BG4008_-APE_252	5.9	66.4	0.4	0.65
SF2218_	BG4010_-APE_335	1.5	63.9	0.4	0.65
SF2219_	BG4011_-APE_335	1.5	61.3	0.4	0.65
SF2220_	BG4016_-APE_408	9.3	57.3	0.4	0.65
SF2221_	BG4018_-APE_405	13.4	55.7	0.4	0.65

SF2222_	BG4019_-APE_405	15.9	54.7	0.4	0.65
SF2223_	BG4017_-APE_405	28.5	56.8	0.4	0.65
SF2224_	BG4020_-APE_405	31.7	53.3	0.4	0.65
SF2225_	BG4001_-APE_248	12.7	72.0	0.4	0.65
SF2226_	BG4028A_-APE_403	11.0	49.6	0.4	0.65
SF2227_	BG4030A_-APE_410	10.3	49.2	0.4	0.65
SF2228_	BG4031_-APE_410	35.4	47.8	0.4	0.65
SF2229_	BG4032_-APE_410	42.5	47.1	0.4	0.65
SF2230_	BG4033_-APE_410	33.7	46.2	0.4	0.65
SF2231_	BG4034_-APE_410	31.7	46.1	0.4	0.65
SF2232_	BG4035_-APE_410	33.1	45.4	0.4	0.65
SF2233_	BG1031_-APE_408	6.5	57.1	0.4	0.65
SF2234_	BG1030A_-APE_408	1.4	56.6	0.4	0.65
SF2235_	BG1029_-APE_408	6.1	57.4	0.4	0.65
SF2236_	BG1028_-APE_408	8.8	57.7	0.4	0.65
SF2237_	BG1027_-APE_408	7.3	57.9	0.4	0.65
SF2238_	BG1026_-APE_408	7.0	58.1	0.4	0.65
SF2239_	BG1025_-APE_408	9.1	58.3	0.4	0.65
SF2240_	BG1024_-APE_336	8.9	58.7	0.4	0.65
SF2241_	BG1023_-APE_336	6.0	58.9	0.4	0.65
SF2242_	BG1022_-APE_336	6.8	59.0	0.4	0.65
SF2243_	BG1021_-APE_336	9.3	59.3	0.4	0.65
SF2244_	BG1020_-APE_336	9.6	59.6	0.4	0.65
SF2245_	BG1019_-APE_336	8.0	59.9	0.4	0.65
SF2246_	BG1001A_-APE_334	5.8	67.2	0.4	0.65
SF2247_	BG1002_-APE_335	4.9	65.4	0.4	0.65
SF2248_	BG1003_-APE_335	5.3	65.2	0.4	0.65
SF2249_	BG1004_-APE_335	6.5	65.1	0.4	0.65
SF2250_	BG1005_-APE_335	5.9	64.7	0.4	0.65
SF2251_	BG1006_-APE_335	5.2	64.3	0.4	0.65
SF2252_	BG1007_-APE_335	1.0	63.8	0.4	0.65
SF2253_	BG1008_-APE_335	4.8	63.8	0.4	0.65
SF2254_	BG1009_-APE_335	7.9	63.0	0.4	0.65
SF2255_	BG1010_-APE_335	5.3	62.8	0.4	0.65
SF2256_	BG1011_-APE_335	4.0	63.0	0.4	0.65
SF2257_	BG1012_-APE_335	6.6	61.1	0.4	0.65
SF2258_	BG1013_-APE_335	15.9	60.8	0.4	0.65
SF2259_	BG1014_-APE_335	11.9	61.1	0.4	0.65
SF2260_	BG1015_-APE_335	5.0	59.2	0.4	0.65
SF2261_	BG1016A_-APE_335	3.0	59.4	0.4	0.65
SF2262_	BG1017_-APE_335	11.5	58.5	0.4	0.65
SF2263_	BG1018_-APE_335	7.9	59.2	0.4	0.65
SF2264_	BG4036_-APE_410	38.0	45.2	0.4	0.65
SF2265_	BG4037_-APE_410	8.6	45.1	0.4	0.65
SF2266_	BG4038A_-APE_410	8.5	45.4	0.4	0.65
SF2267_	BG4039A_-APE_410	8.4	44.2	0.4	0.65
SF2268_	ME6005_-APE_383	5.6	46.9	0.4	0.65

SF2269_	ME4004A_-APE_383	4.8	45.6	0.4	0.65
SF2270_	ME4005D_-APE_383	1.1	45.7	0.4	0.65
SF2271_	ME4001A_-APE_383	3.1	46.5	0.4	0.65
SF2272_	ME4002D_-APE_383	1.0	46.5	0.4	0.65
SF2273_	ME4007A_-APE_383	1.0	49.5	0.4	0.65
SF2274_	ME4008D_-APE_384	2.0	47.1	0.4	0.65
SF2275_	ME5118_-APE_382	7.5	46.8	0.4	0.65
SF2276_	ME5117_-APE_382	9.5	46.9	0.4	0.65
SF2277_	ME5116_-APE_382	8.0	47.1	0.4	0.65
SF2278_	ME5115_-APE_382	3.8	47.1	0.4	0.65
SF2279_	ME5114_-APE_382	10.4	47.2	0.4	0.65
SF2280_	ME5113_-APE_389	12.1	47.4	0.4	0.65
SF2281_	ME5112_-APE_389	4.6	47.5	0.4	0.65
SF2282_	ME5095_-APE_311	2.1	48.3	0.4	0.65
SF2283_	ME5094_-APE_311	3.3	48.3	0.4	0.65
SF2284_	ME5092_-APE_311	4.1	48.5	0.4	0.65
SF2285_	ME5091_-APE_311	11.6	48.5	0.4	0.65
SF2286_	ME5062_-APE_307	3.8	50.3	0.4	0.65
SF2287_	ME5087_-APE_311	2.8	49.1	0.4	0.65
SF2288_	ME5086_-APE_311	1.9	49.1	0.4	0.65
SF2289_	ME5085_-APE_311	1.6	49.2	0.4	0.65
SF2290_	ME5082_-APE_311	2.1	49.0	0.4	0.65
SF2291_	ME5081_-APE_311	3.8	49.1	0.4	0.65
SF2292_	ME5080_-APE_311	3.0	49.2	0.4	0.65
SF2293_	ME5079_-APE_309	1.0	49.2	0.4	0.65
SF2294_	ME5078_-APE_309	1.0	49.2	0.4	0.65
SF2295_	ME5077_-APE_309	2.1	49.3	0.4	0.65
SF2296_	ME5076_-APE_309	4.0	49.4	0.4	0.65
SF2297_	ME5075_-APE_307	3.2	49.5	0.4	0.65
SF2298_	ME5074_-APE_307	3.1	49.6	0.4	0.65
SF2299_	ME5073_-APE_307	3.3	49.7	0.4	0.65
SF2300_	ME5072_-APE_307	2.5	49.8	0.4	0.65
SF2301_	ME5071_-APE_307	1.6	49.8	0.4	0.65
SF2302_	ME5070_-APE_307	1.0	49.8	0.4	0.65
SF2303_	ME5069_-APE_307	1.0	49.9	0.4	0.65
SF2304_	ME5068_-APE_307	1.0	49.9	0.4	0.65
SF2305_	ME5067_-APE_307	2.4	49.9	0.4	0.65
SF2306_	ME5066_-APE_307	4.6	50.0	0.4	0.65
SF2307_	ME5090_-APE_311	10.5	48.9	0.4	0.65
SF2308_	ME5089_-APE_311	3.6	48.9	0.4	0.65
SF2309_	ME5088_-APE_311	4.8	49.0	0.4	0.65
SF2310_	ME5065_-APE_307	2.5	50.2	0.4	0.65
SF2311_	ME5064_-APE_307	1.0	50.2	0.4	0.65
SF2312_	ME5063_-APE_307	1.0	50.2	0.4	0.65
SF2313_	ME5038_-APE_303	2.1	54.5	0.4	0.65
SF2314_	ME5037_-APE_303	2.5	54.7	0.4	0.65
SF2315_	ME5061_-APE_307	1.3	50.4	0.4	0.65

SF2316_	ME5060_-APE_307	1.0	50.5	0.4	0.65
SF2317_	ME5059_-APE_307	1.0	50.5	0.4	0.65
SF2318_	ME5058_-APE_307	1.0	50.7	0.4	0.65
SF2319_	ME5057_-APE_307	1.0	51.1	0.4	0.65
SF2320_	ME5056_-APE_307	1.2	51.2	0.4	0.65
SF2321_	ME5055_-APE_307	1.2	51.1	0.4	0.65
SF2322_	ME5054_-APE_307	1.0	51.1	0.4	0.65
SF2323_	ME5053_-APE_307	1.3	51.2	0.4	0.65
SF2324_	ME5052_-APE_307	1.6	51.9	0.4	0.65
SF2325_	ME5051_-APE_307	2.6	51.8	0.4	0.65
SF2326_	ME5050_-APE_307	3.1	51.8	0.4	0.65
SF2327_	ME5049_-APE_307	1.5	51.4	0.4	0.65
SF2328_	ME5048_-APE_307	1.0	51.8	0.4	0.65
SF2329_	ME5047D_-APE_307	1.0	51.7	0.4	0.65
SF2330_	ME5046C_-APE_307	1.0	51.5	0.4	0.65
SF2331_	ME5045B_-APE_307	1.0	51.6	0.4	0.65
SF2332_	ME5025_-APE_303	1.0	55.1	0.4	0.65
SF2333_	ME5024_-APE_303	1.6	55.1	0.4	0.65
SF2334_	ME5023_-APE_303	2.1	55.1	0.4	0.65
SF2335_	ME5022_-APE_303	1.9	55.2	0.4	0.65
SF2336_	ME5021_-APE_303	2.0	55.4	0.4	0.65
SF2337_	ME5019_-APE_303	2.2	55.6	0.4	0.65
SF2338_	ME5100A_-APE_394	1.0	48.0	0.4	0.65
SF2339_	ME5127_-APE_384	5.0	46.9	0.4	0.65
SF2340_	ME5126_-APE_384	5.0	47.0	0.4	0.65
SF2341_	ME5128_-APE_384	5.1	46.9	0.4	0.65
SF2342_	ME5129_-APE_384	5.1	47.0	0.4	0.65
SF2343_	ME5130_-APE_384	3.3	47.1	0.4	0.65
SF2344_	ME5131_-APE_384	1.6	47.1	0.4	0.65
SF2345_	ME5132_-APE_384	1.0	47.4	0.4	0.65
SF2346_	ME5125_-APE_384	5.0	46.9	0.4	0.65
SF2347_	ME5124_-APE_384	5.0	47.0	0.4	0.65
SF2348_	ME5122_-APE_384	5.0	47.1	0.4	0.65
SF2349_	ME5121_-APE_384	4.0	47.0	0.4	0.65
SF2350_	ME5123_-APE_384	5.0	47.1	0.4	0.65
SF2351_	ME5002_-APE_236	2.4	59.6	0.4	0.65
SF2352_	ME5003_-APE_236	2.9	59.1	0.4	0.65
SF2353_	ME5004A_-APE_236	1.0	59.0	0.4	0.65
SF2354_	ME5005D_-APE_412	1.0	59.0	0.4	0.65
SF2355_	ME5006_-APE_412	1.8	59.0	0.4	0.65
SF2356_	ME5012_-APE_303	4.2	58.1	0.4	0.65
SF2357_	ME5013_-APE_303	5.0	57.8	0.4	0.65
SF2358_	ME5014_-APE_303	5.0	57.4	0.4	0.65
SF2359_	ME5015_-APE_303	5.0	57.0	0.4	0.65
SF2360_	ME5016_-APE_303	5.0	56.7	0.4	0.65
SF2361_	ME5017_-APE_303	5.0	56.3	0.4	0.65
SF2362_	ME5018_-APE_303	4.6	56.0	0.4	0.65

SF2363_	ME5020_-APE_303	1.1	55.6	0.4	0.65
SF2364_	ME1010C_-APE_232	7.5	75.4	0.4	0.65
SF2365_	ME1009B_-APE_232	1.0	75.6	0.4	0.65
SF2366_	ME1008_-APE_232	1.0	76.1	0.4	0.65
SF2367_	ME1007B_-APE_232	1.0	76.1	0.4	0.65
SF2368_	ME1006_-APE_232	1.2	76.4	0.4	0.65
SF2369_	ME1005B_-APE_232	1.3	77.1	0.4	0.65
SF2370_	ME1004_-APE_232	2.3	77.7	0.4	0.65
SF2371_	ME1003B_-APE_232	1.1	78.6	0.4	0.65
SF2372_	ME1002_-APE_232	2.8	79.2	0.4	0.65
SF2373_	ME1001_-APE_232	1.7	80.5	0.4	0.65
SF2374_	ME1011_-APE_234	8.4	71.3	0.4	0.65
SF2375_	ME1012_-APE_234	3.2	71.0	0.4	0.65
SF2376_	ME1013_-APE_234	3.6	69.7	0.4	0.65
SF2377_	ME1014_-APE_234	2.4	69.3	0.4	0.65
SF2378_	ME1015_-APE_234	1.8	68.7	0.4	0.65
SF2379_	ME1016_-APE_234	1.1	68.3	0.4	0.65
SF2380_	ME1017_-APE_234	1.7	68.1	0.4	0.65
SF2381_	ME1018_-APE_234	2.5	67.9	0.4	0.65
SF2382_	ME1019_-APE_234	1.6	67.9	0.4	0.65
SF2383_	ME1020A_-APE_234	1.0	67.5	0.4	0.65
SF2384_	ME1021D_-APE_235	2.1	67.4	0.4	0.65
SF2385_	ST5024A_-APE_296	1.0	51.5	0.4	0.65
SF2386_	ST5027_-APE_296	4.4	51.4	0.4	0.65
SF2387_	ST5036A_-APE_310	1.0	49.4	0.4	0.65
SF2388_	ST5035_-APE_310	2.0	49.3	0.4	0.65
SF2389_	ST5034D_-APE_310	1.2	49.3	0.4	0.65
SF2390_	ST5033A_-APE_300	2.6	49.4	0.4	0.65
SF2391_	ST5032D_-APE_300	2.6	49.7	0.4	0.65
SF2392_	ST5031A_-APE_301	2.4	50.4	0.4	0.65
SF2393_	ST5030_-APE_301	4.4	50.6	0.4	0.65
SF2394_	ST5025D_-APE_296	1.0	51.7	0.4	0.65
SF2395_	ST5028_-APE_296	4.1	50.9	0.4	0.65
SF2396_	ST5029_-APE_301	3.5	50.8	0.4	0.65
SF2397_	ST5026_-APE_296	2.8	51.3	0.4	0.65
SF2398_	ST5023_-APE_296	7.0	51.7	0.4	0.65
SF2399_	ST5007_-APE_221	1.9	56.2	0.4	0.65
SF2400_	ST5006_-APE_221	1.7	56.3	0.4	0.65
SF2401_	ST5005_-APE_221	2.9	56.5	0.4	0.65
SF2402_	ST5004_-APE_221	2.3	56.6	0.4	0.65
SF2403_	ST5003_-APE_221	9.0	57.0	0.4	0.65
SF2404_	ST5002_-APE_221	12.0	57.6	0.4	0.65
SF2405_	ST5001_-APE_221	7.0	58.3	0.4	0.65
SF2406_	ST1004_-APE_123	1.2	87.3	0.4	0.65
SF2407_	ST1003_-APE_123	2.3	87.6	0.4	0.65
SF2408_	ST1002_-APE_122	1.4	87.3	0.4	0.65
SF2409_	ST4001A_-APE_122	5.8	88.2	0.4	0.65

SF2410_	ST1005A_-APE_123	1.0	87.3	0.4	0.65
SF2411_	ST1009_-APE_220	4.0	58.5	0.4	0.65
SF2412_	ST1008_-APE_220	11.3	59.0	0.4	0.65
SF2413_	ST1007_-APE_220	18.3	59.8	0.4	0.65
SF2414_	ST1006_-APE_220	6.8	60.9	0.4	0.65
SF2415_	ST4002A_-APE_221	1.0	56.0	0.4	0.65
SF2416_	ST4003A_-APE_296	1.4	51.5	0.4	0.65
SF2417_	ST5036D_-APE_310	8.0	48.6	0.4	0.65
SF2418_	ST5036C_-APE_310	10.1	48.9	0.4	0.65
SF2419_	ST5036I_-APE_310	5.3	47.5	0.4	0.65
SF2420_	ST5036H_-APE_310	12.5	47.5	0.4	0.65
SF2421_	ST5036E_-APE_310	13.6	47.9	0.4	0.65
SF2422_	ST5036G_-APE_310	12.5	48.0	0.4	0.65
SF2423_	ST5036L_-APE_310	9.2	47.2	0.4	0.65
SF2424_	ST5036M_-APE_310	4.0	47.3	0.4	0.65
SF2425_	ST5036O_-APE_310	3.5	48.3	0.4	0.65
SF2426_	ST5036F_-APE_310	6.1	48.0	0.4	0.65
SF2427_	ST5036N_-APE_310	3.5	47.3	0.4	0.65
SF2428_	ST5036P_-APE_310	1.0	48.3	0.4	0.65
SF2429_	ST5036B_-APE_310	9.8	49.4	0.4	0.65
SF2430_	FU5039_-APE_295	12.4	51.9	0.4	0.65
SF2431_	FU5038_-APE_295	6.4	52.1	0.4	0.65
SF2432_	FU5037_-APE_295	3.0	52.3	0.4	0.65
SF2433_	FU5036_-APE_295	1.3	52.3	0.4	0.65
SF2434_	FU5035_-APE_295	1.5	52.5	0.4	0.65
SF2435_	FU5026_-APE_211	2.3	53.6	0.4	0.65
SF2436_	FU5025_-APE_211	2.8	53.6	0.4	0.65
SF2437_	FU5024_-APE_211	1.9	53.6	0.4	0.65
SF2438_	FU5023_-APE_211	1.0	53.7	0.4	0.65
SF2439_	FU5022_-APE_211	1.4	53.8	0.4	0.65
SF2440_	FU5021_-APE_211	2.1	53.9	0.4	0.65
SF2441_	FU5020_-APE_211	2.4	54.1	0.4	0.65
SF2442_	FU5019_-APE_211	4.5	54.3	0.4	0.65
SF2443_	FU5018_-APE_211	6.4	54.9	0.4	0.65
SF2444_	FU5017_-APE_211	5.1	55.4	0.4	0.65
SF2445_	FU5016_-APE_211	3.5	55.7	0.4	0.65
SF2446_	FU5015_-APE_211	2.9	55.9	0.4	0.65
SF2447_	FU5014_-APE_211	2.5	56.2	0.4	0.65
SF2448_	FU5013_-APE_211	1.9	56.3	0.4	0.65
SF2449_	FU5012A_-APE_211	1.6	56.6	0.4	0.65
SF2450_	FU5011_-APE_211	3.4	56.8	0.4	0.65
SF2451_	FU5010_-APE_210	2.0	57.1	0.4	0.65
SF2452_	FU5009A_-APE_210	1.0	57.2	0.4	0.65
SF2453_	FU5008_-APE_210	1.0	57.3	0.4	0.65
SF2454_	FU5002_-APE_210	3.9	58.0	0.4	0.65
SF2455_	FU5001_-APE_210	2.0	58.3	0.4	0.65
SF2456_	FU5078_-APE_380	5.7	47.5	0.4	0.65

SF2457_	FU5058_-APE_291	6.6	49.5	0.4	0.65
SF2458_	FU5077D_-APE_380	5.7	48.2	0.4	0.65
SF2459_	FU5057D_-APE_291	3.1	48.4	0.4	0.65
SF2460_	FU5076A_-APE_379	2.4	48.1	0.4	0.65
SF2461_	FU5060A_-APE_291	4.7	48.5	0.4	0.65
SF2462_	FU5061D_-APE_373	2.9	48.5	0.4	0.65
SF2463_	FU5063_-APE_373	6.6	47.5	0.4	0.65
SF2464_	FU5045_-APE_287	3.0	51.2	0.4	0.65
SF2465_	FU5043_-APE_287	4.4	51.6	0.4	0.65
SF2466_	FU5050D_-APE_288	2.3	49.8	0.4	0.65
SF2467_	FU5049A_-APE_288	1.0	49.8	0.4	0.65
SF2468_	FU5074A_-APE_376	1.0	49.2	0.4	0.65
SF2469_	FU5075D_-APE_379	2.4	49.0	0.4	0.65
SF2470_	FU5048D_-APE_288	1.0	50.1	0.4	0.65
SF2471_	FU5067_-APE_376	4.8	47.6	0.4	0.65
SF2472_	FU5072D_-APE_376	1.2	49.3	0.4	0.65
SF2473_	FU5053_-APE_288	4.3	49.6	0.4	0.65
SF2474_	FU5071A_-APE_376	2.8	49.7	0.4	0.65
SF2475_	FU5068_-APE_376	4.8	48.1	0.4	0.65
SF2476_	FU5069_-APE_376	5.1	47.7	0.4	0.65
SF2477_	FU5051_-APE_288	4.0	50.0	0.4	0.65
SF2478_	FU5052_-APE_288	3.9	49.6	0.4	0.65
SF2479_	FU5073_-APE_376	1.5	49.2	0.4	0.65
SF2480_	FU5064A_-APE_373	2.7	47.6	0.4	0.65
SF2481_	FU5065D_-APE_376	1.5	47.6	0.4	0.65
SF2482_	FU5047A_-APE_287	2.6	51.3	0.4	0.65
SF2483_	FU5046_-APE_287	3.6	51.3	0.4	0.65
SF2484_	FU5044_-APE_287	5.0	51.5	0.4	0.65
SF2485_	FU5066_-APE_376	3.4	47.6	0.4	0.65
SF2486_	FU5056A_-APE_288	2.7	49.8	0.4	0.65
SF2487_	FU5055_-APE_288	4.9	49.8	0.4	0.65
SF2488_	FU5054_-APE_288	4.3	49.6	0.4	0.65
SF2489_	FU5070_-APE_376	6.0	46.2	0.4	0.65
SF2490_	FU5040_-APE_295	5.5	51.6	0.4	0.65
SF2491_	FU5041_-APE_295	3.7	51.6	0.4	0.65
SF2492_	FU5059_-APE_291	8.3	48.0	0.4	0.65
SF2493_	FU4001A_-APE_119	3.9	78.4	0.4	0.65
SF2494_	FU4002A_-APE_197	6.6	65.7	0.4	0.65
SF2495_	FU4003A_-APE_206	10.2	61.8	0.4	0.65
SF2496_	FU4004A_-APE_208	10.2	58.4	0.4	0.65
SF2497_	FU4005A_-APE_208	1.0	58.3	0.4	0.65
SF2498_	AC3016_-APE_02	1.6	139.0	0.4	0.65
SF2499_	AC3015_-APE_02	2.7	139.1	0.4	0.65
SF2500_	AC3017A_-APE_03	1.0	138.0	0.4	0.65
SF2501_	AC3018A_-APE_03	1.2	139.3	0.4	0.65
SF2502_	AC3019_-APE_03	1.6	137.1	0.4	0.65
SF2503_	AC3020_-APE_03	1.4	136.0	0.4	0.65

SF2504_	AC3021_-APE_03	1.7	136.0	0.4	0.65
SF2505_	AC3023_-APE_03	1.0	135.3	0.4	0.65
SF2506_	AC3024_-APE_03	1.0	135.3	0.4	0.65
SF2507_	AG3002_-APE_04	1.4	135.6	0.4	0.65
SF2508_	AG3004_-APE_04	1.0	133.9	0.4	0.65
SF2509_	AG3007_-APE_04	1.0	131.7	0.4	0.65
SF2510_	AG3008_-APE_04	1.0	131.3	0.4	0.65
SF2511_	AG3009_-APE_04	1.0	130.8	0.4	0.65
SF2512_	AG3010_-APE_09	2.9	129.9	0.4	0.65
SF2513_	AC3014A_-APE_02	1.4	140.5	0.4	0.65
SF2514_	AC3010_-APE_02	1.7	143.3	0.4	0.65
SF2515_	AC3008_-APE_02	2.1	145.7	0.4	0.65
SF2516_	AC3007_-APE_02	1.8	145.8	0.4	0.65
SF2517_	AC3006A_-APE_02	2.7	147.0	0.4	0.65
SF2518_	AG3014_-APE_09	4.1	127.3	0.4	0.65
SF2519_	AG3013_-APE_09	2.3	127.5	0.4	0.65
SF2520_	AG3011_-APE_09	2.6	128.4	0.4	0.65
SF2521_	AC3013_-APE_02	2.1	141.1	0.4	0.65
SF2522_	AC3012_-APE_02	1.7	141.7	0.4	0.65
SF2523_	AC3011_-APE_02	2.1	142.9	0.4	0.65
SF2524_	AG3001A_-APE_04	1.0	135.6	0.4	0.65
SF2525_	AC3001_-APE_01	1.0	151.9	0.4	0.65
SF2526_	AC3004_-APE_02	2.0	151.3	0.4	0.65
SF2527_	AC3002A_-APE_01	1.0	151.3	0.4	0.65
SF2528_	AC3003A_-APE_01	1.3	151.2	0.4	0.65
SF2529_	AC3020_-APE_02	1.0	136.0	0.4	0.65
SF2530_	AC3005_-APE_02	4.1	151.2	0.4	0.65
SF2531_	AC3009A_-APE_02	2.6	144.1	0.4	0.65
SF2532_	AG4027_-APE_169	11.0	67.5	0.4	0.65
SF2533_	AG4026_-APE_168	10.0	68.9	0.4	0.65
SF2534_	AG4030_-APE_170	6.8	65.0	0.4	0.65
SF2535_	AG4031_-APE_170	9.4	64.5	0.4	0.65
SF2536_	AG4028_-APE_169	9.2	66.2	0.4	0.65
SF2537_	AG4029_-APE_170	6.9	65.5	0.4	0.65
SF2538_	AG4034_-APE_170	9.7	62.7	0.4	0.65
SF2539_	AG4032_-APE_170	8.9	63.6	0.4	0.65
SF2540_	AG4033_-APE_170	8.4	63.4	0.4	0.65
SF2541_	AG4035_-APE_170	9.6	60.9	0.4	0.65
SF2542_	AG4036_-APE_278	9.0	61.1	0.4	0.65
SF2543_	AG4044_-APE_280	9.0	55.9	0.4	0.65
SF2544_	AG4040_-APE_278	7.1	57.4	0.4	0.65
SF2545_	AG4039_-APE_278	9.1	58.7	0.4	0.65
SF2546_	AG4038_-APE_278	8.4	59.7	0.4	0.65
SF2547_	AG4042_-APE_278	8.5	57.6	0.4	0.65
SF2548_	AG4041_-APE_278	7.4	57.8	0.4	0.65
SF2549_	AG4043_-APE_280	8.2	56.2	0.4	0.65
SF2550_	AG4054_-APE_369	5.9	50.6	0.4	0.65

SF2551_	AG4047_-APE_364	8.9	52.5	0.4	0.65
SF2552_	AG4045_-APE_280	8.6	52.9	0.4	0.65
SF2553_	AG4046_-APE_280	8.0	53.9	0.4	0.65
SF2554_	AG4055_-APE_370	2.1	49.3	0.4	0.65
SF2555_	AG4056_-APE_371	4.6	49.0	0.4	0.65
SF2556_	AG4059_-APE_372	32.9	47.4	0.4	0.65
SF2557_	AG4058_-APE_372	24.3	47.8	0.4	0.65
SF2558_	AG4057_-APE_371	13.7	48.3	0.4	0.65
SF2559_	AG4061_-APE_372	50.8	46.9	0.4	0.65
SF2560_	AG4062_-APE_372	26.7	47.0	0.4	0.65
SF2561_	AG4060_-APE_372	42.1	46.9	0.4	0.65
SF2562_	AG4021_-APE_413	7.5	72.8	0.4	0.65
SF2563_	AG4023_-APE_167	8.3	70.8	0.4	0.65
SF2564_	AG4025_-APE_168	6.9	69.6	0.4	0.65
SF2565_	AG4024_-APE_413	6.4	69.9	0.4	0.65
SF2566_	AG4022_-APE_413	8.1	71.7	0.4	0.65
SF2567_	AG4003_-APE_37	8.0	97.1	0.4	0.65
SF2568_	AG4002_-APE_36	7.0	95.0	0.4	0.65
SF2569_	AG4013_-APE_102	8.6	77.9	0.4	0.65
SF2570_	AG4014_-APE_102	8.7	78.6	0.4	0.65
SF2571_	AG4015_-APE_165	8.1	77.5	0.4	0.65
SF2572_	AG4012_-APE_101	5.2	80.9	0.4	0.65
SF2573_	AG4017_-APE_165	8.4	75.9	0.4	0.65
SF2574_	AG4016_-APE_165	7.5	76.9	0.4	0.65
SF2575_	AG4006_-APE_38	8.2	89.0	0.4	0.65
SF2576_	AG4007_-APE_38	8.3	87.6	0.4	0.65
SF2577_	AG4009_-APE_101	8.1	84.9	0.4	0.65
SF2578_	AG4008_-APE_38	7.8	86.3	0.4	0.65
SF2579_	AG4005_-APE_38	7.3	90.4	0.4	0.65
SF2580_	AG4004_-APE_38	8.2	91.6	0.4	0.65
SF2581_	AG4001_-APE_36	4.3	97.1	0.4	0.65
SF2582_	AG5004_-APE_364	7.6	51.2	0.4	0.65
SF2583_	AG5003_-APE_364	9.7	51.8	0.4	0.65
SF2584_	AG5001_-APE_364	7.2	52.8	0.4	0.65
SF2585_	AG5002_-APE_364	5.8	52.5	0.4	0.65
SF2586_	AG5005_-APE_369	7.1	51.2	0.4	0.65
SF2587_	SE2095_-APE_125	1.5	62.4	0.4	0.65
SF2588_	SE2001A_-APE_17	1.0	112.3	0.4	0.65
SF2589_	SE2002_-APE_17	1.4	111.1	0.4	0.65
SF2590_	SE2003_-APE_17	1.6	109.4	0.4	0.65
SF2591_	SE2004A_-APE_17	1.0	108.0	0.4	0.65
SF2592_	SE2005_-APE_17	4.7	108.9	0.4	0.65
SF2593_	SE2006_-APE_17	5.2	107.2	0.4	0.65
SF2594_	SE2007A_-APE_17	2.6	105.7	0.4	0.65
SF2595_	SE2008_-APE_17	2.4	105.1	0.4	0.65
SF2596_	SE2009_-APE_17	5.4	104.2	0.4	0.65
SF2597_	SE2010A_-APE_18	3.4	101.9	0.4	0.65

SF2598_	SE2011_-APE_18	3.1	101.0	0.4	0.65
SF2599_	SE2012_-APE_18	4.6	99.2	0.4	0.65
SF2600_	SE2013_-APE_18	2.3	98.3	0.4	0.65
SF2601_	SE2014A_-APE_18	1.0	97.1	0.4	0.65
SF2602_	SE2015D_-APE_18	1.0	96.9	0.4	0.65
SF2603_	SE2016_-APE_18	1.0	97.7	0.4	0.65
SF2604_	SE2017_-APE_18	1.4	97.7	0.4	0.65
SF2605_	SE2018_-APE_18	1.7	97.3	0.4	0.65
SF2606_	SE2019A_-APE_64	1.0	97.0	0.4	0.65
SF2607_	SE2020A_-APE_18	1.0	97.8	0.4	0.65
SF2608_	SE2021_-APE_64	3.5	96.9	0.4	0.65
SF2609_	SE2022A_-APE_64	3.0	95.2	0.4	0.65
SF2610_	SE2023_-APE_64	1.9	94.0	0.4	0.65
SF2611_	SE2024_-APE_64	5.5	93.5	0.4	0.65
SF2612_	SE2025_-APE_64	6.7	91.7	0.4	0.65
SF2613_	SE2026A_-APE_64	2.6	91.5	0.4	0.65
SF2614_	SE2027A_-APE_64	1.0	91.3	0.4	0.65
SF2615_	SE2028H_-APE_65	1.9	90.5	0.4	0.65
SF2616_	SE2029A_-APE_65	1.8	90.0	0.4	0.65
SF2617_	SE2030_-APE_65	1.3	91.0	0.4	0.65
SF2618_	SE2031_-APE_65	2.2	89.0	0.4	0.65
SF2619_	SE2032_-APE_65	2.6	88.7	0.4	0.65
SF2620_	SE2033A_-APE_66	1.4	87.2	0.4	0.65
SF2621_	SE2034_-APE_66	1.9	86.5	0.4	0.65
SF2622_	SE2035_-APE_66	2.5	86.5	0.4	0.65
SF2623_	SE2036A_-APE_66	1.3	86.3	0.4	0.65
SF2624_	SE2037_-APE_66	1.0	86.5	0.4	0.65
SF2625_	SE2038A_-APE_66	1.0	86.2	0.4	0.65
SF2626_	SE2039D_-APE_67	1.0	85.3	0.4	0.65
SF2627_	SE2040_-APE_67	1.0	84.8	0.4	0.65
SF2628_	SE2041_-APE_67	1.6	84.1	0.4	0.65
SF2629_	SE2042_-APE_67	1.7	84.0	0.4	0.65
SF2630_	SE2043_-APE_67	1.2	83.3	0.4	0.65
SF2631_	SE2044_-APE_68	1.3	83.5	0.4	0.65
SF2632_	SE2045_-APE_68	1.0	83.4	0.4	0.65
SF2633_	SE2046_-APE_68	1.6	83.2	0.4	0.65
SF2634_	SE2047A_-APE_68	1.3	82.8	0.4	0.65
SF2635_	SE2048_-APE_68	3.2	82.2	0.4	0.65
SF2636_	SE2049A_-APE_69	1.8	82.0	0.4	0.65
SF2637_	SE2050_-APE_69	1.5	81.9	0.4	0.65
SF2638_	SE2051_-APE_69	2.0	81.6	0.4	0.65
SF2639_	SE2052_-APE_69	2.4	81.1	0.4	0.65
SF2640_	SE2053_-APE_69	2.4	80.9	0.4	0.65
SF2641_	SE2054A_-APE_69	1.6	80.7	0.4	0.65
SF2642_	SE2055A_-APE_69	1.0	80.6	0.4	0.65
SF2643_	SE2056_-APE_69	1.6	80.0	0.4	0.65
SF2644_	SE2057_-APE_69	2.2	79.6	0.4	0.65

SF2645_	SE2058_-APE_69	3.3	78.7	0.4	0.65
SF2646_	SE2059_-APE_69	3.3	78.2	0.4	0.65
SF2647_	SE2060_-APE_69	4.4	77.5	0.4	0.65
SF2648_	SE2062_-APE_69	1.4	75.9	0.4	0.65
SF2649_	SE2063A_-APE_69	1.0	76.2	0.4	0.65
SF2650_	SE2064A_-APE_69	1.0	76.3	0.4	0.65
SF2651_	SE2065_-APE_133	2.6	75.8	0.4	0.65
SF2652_	SE2066_-APE_133	1.5	75.4	0.4	0.65
SF2653_	SE2067_-APE_133	1.0	75.3	0.4	0.65
SF2654_	SE2068_-APE_133	1.0	75.1	0.4	0.65
SF2655_	SE2105A_-APE_125	1.4	60.0	0.4	0.65
SF2656_	SE2106_-APE_125	5.3	58.5	0.4	0.65
SF2657_	SE2107_-APE_125	5.0	58.4	0.4	0.65
SF2658_	SE2108_-APE_125	9.1	57.9	0.4	0.65
SF2659_	SE2109_-APE_125	8.9	56.8	0.4	0.65
SF2660_	SE2110A_-APE_126	3.7	56.5	0.4	0.65
SF2661_	SE2111A_-APE_126	6.9	55.1	0.4	0.65
SF2662_	SE2112_-APE_127	10.9	54.1	0.4	0.65
SF2663_	SE2113_-APE_127	5.6	53.3	0.4	0.65
SF2664_	SE2114_-APE_127	4.9	53.1	0.4	0.65
SF2665_	SE2115A_-APE_127	2.3	53.2	0.4	0.65
SF2666_	SE2116_-APE_127	9.6	53.1	0.4	0.65
SF2667_	SE2117A_-APE_128	9.4	52.7	0.4	0.65
SF2668_	SE2118A_-APE_128	11.9	52.5	0.4	0.65
SF2669_	SE2119_-APE_128	14.5	52.8	0.4	0.65
SF2670_	SE2120A_-APE_128	6.3	53.1	0.4	0.65
SF2671_	SE2121_-APE_128	2.0	53.3	0.4	0.65
SF2672_	ME6007_-APE_383	1.0	45.7	0.4	0.65
SF2673_	BU4001V_-APE_384	3.2	47.4	0.4	0.65
SF2674_	BU4009C_-APE_362	1.0	47.8	0.4	0.65
SF2675_	BU4009D_-APE_362	3.7	47.8	0.4	0.65
SF2676_	BU4009A_-APE_359	4.9	47.8	0.4	0.65
SF2677_	BU4024B_-APE_259	1.0	49.8	0.4	0.65
SF2678_	BU4024C_-APE_263	1.0	49.8	0.4	0.65
SF2679_	BU4024D_-APE_263	2.2	49.8	0.4	0.65
SF2680_	BU4032A_-APE_129	2.3	51.7	0.4	0.65
SF2681_	BU4032C_-APE_256	1.0	51.7	0.4	0.65
SF2682_	BU4032D_-APE_256	2.6	51.7	0.4	0.65
SF2683_	BU4037A_-APE_129	10.2	52.6	0.4	0.65
SF2684_	BU4037C_-APE_129	1.0	52.6	0.4	0.65
SF2685_	BU4037D_-APE_129	4.3	52.6	0.4	0.65
SF2686_	BU4042B_-APE_47	1.0	53.7	0.4	0.65
SF2687_	BU4042C_-APE_47	1.0	53.7	0.4	0.65
SF2688_	BU4042D_-APE_47	6.8	53.8	0.4	0.65
SF2689_	SE2061_-APE_69	4.2	76.5	0.4	0.65
SF2690_	AG5006_-APE_369	8.9	50.7	0.4	0.65
SF2691_	AG0014A_-APE_165	3.3	74.6	0.4	0.65

SF2692_	AG0013A_-APE_101	1.2	81.0	0.4	0.65
SF2693_	AG0011_-APE_35	9.5	98.6	0.4	0.65
SF2694_	AG0012_-APE_35	5.4	95.9	0.4	0.65
SF2695_	AG0010_-APE_15	9.8	101.1	0.4	0.65
SF2696_	AG0008_-APE_11	10.5	104.7	0.4	0.65
SF2697_	AG0007_-APE_11	10.7	108.3	0.4	0.65
SF2698_	AG0006_-APE_11	9.6	111.0	0.4	0.65
SF2699_	AG0005_-APE_11	9.2	112.6	0.4	0.65
SF2700_	AG0004_-APE_11	10.4	118.6	0.4	0.65
SF2701_	AG0003_-APE_11	8.7	118.2	0.4	0.65
SF2702_	AG0002A_-APE_09	8.2	120.2	0.4	0.65
SF2703_	AG0001_-APE_09	11.0	126.7	0.4	0.65
SF2704_	AG0009_-APE_11	10.6	103.0	0.4	0.65
SF2705_	AG0015A_-APE_364	2.9	53.0	0.4	0.65
SF2706_	AG0016A_-APE_369	1.1	49.5	0.4	0.65
SF2707_	AG0017A_-APE_370	1.0	49.2	0.4	0.65
SF2708_	FU4001D_-APE_197	6.6	69.2	0.4	0.65
SF2709_	FU4002D_-APE_197	10.2	63.7	0.4	0.65
SF2710_	FU0001_-APE_45	6.3	88.1	0.4	0.65
SF2711_	FU0002_-APE_45	9.7	82.1	0.4	0.65
SF2712_	FU0003_-APE_45	7.2	79.8	0.4	0.65
SF2713_	BG0004_-APE_245	8.4	102.8	0.4	0.65
SF2714_	BG0005_-APE_245	10.3	95.3	0.4	0.65
SF2715_	BG0006_-APE_246	8.3	91.4	0.4	0.65
SF2716_	BG0007A_-APE_246	2.9	89.6	0.4	0.65
SF2717_	BG0008D_-APE_246	4.9	89.6	0.4	0.65
SF2718_	BG0009_-APE_246	9.2	85.7	0.4	0.65
SF2719_	BG0010_-APE_246	10.7	84.4	0.4	0.65
SF2720_	BG0011_-APE_246	11.7	83.5	0.4	0.65
SF2721_	BG0012_-APE_246	9.2	79.8	0.4	0.65
SF2722_	BG0013A_-APE_248	4.0	78.4	0.4	0.65
SF2723_	BG0014_-APE_248	7.0	77.3	0.4	0.65
SF2724_	BG0015_-APE_248	9.4	76.2	0.4	0.65
SF2725_	BG0016_-APE_248	10.8	74.9	0.4	0.65
SF2726_	BG0017_-APE_248	9.8	73.2	0.4	0.65
SF2727_	FM0001C_-APE_34	1.0	94.0	0.4	0.65
SF2728_	FM0001D_-APE_34	2.9	94.0	0.4	0.65
SF2729_	FM0002_-APE_34	4.8	93.3	0.4	0.65
SF2730_	FM0003_-APE_34	4.5	92.9	0.4	0.65
SF2731_	FM0004A_-APE_34	2.6	93.0	0.4	0.65
SF2732_	FM0005A_-APE_96	1.0	79.3	0.4	0.65
SF2733_	FM0005B_-APE_96	1.8	79.3	0.4	0.65
SF2734_	FM0005C_-APE_96	31.9	79.3	0.4	0.65
SF2735_	FM0006A_-APE_96	1.0	78.2	0.4	0.65
SF2736_	FM0006B_-APE_96	4.9	78.2	0.4	0.65
SF2737_	FM0006C_-APE_96	1.8	78.2	0.4	0.65
SF2738_	FM0007C_-APE_89	4.9	77.4	0.4	0.65

SF2739_	FM0007D_-APE_89	2.9	77.1	0.4	0.65
SF2740_	FM1002_-APE_97	13.7	74.8	0.4	0.65
SF2741_	FM0010A_-APE_89	1.0	73.9	0.4	0.65
SF2742_	FM0010B_-APE_89	1.8	73.9	0.4	0.65
SF2743_	FM0010C_-APE_89	4.9	73.9	0.4	0.65
SF2744_	FM0008_-APE_89	4.6	76.6	0.4	0.65
SF2745_	FM0009B_-APE_89	5.0	75.5	0.4	0.65
SF2746_	FM0009A_-APE_89	1.9	75.4	0.4	0.65
SF2747_	FM0011D_-APE_89	1.0	72.6	0.4	0.65
SF2748_	FM0011C_-APE_89	1.8	73.0	0.4	0.65
SF2749_	FM0014A_-APE_89	1.0	69.1	0.4	0.65
SF2750_	FM0014B_-APE_89	1.7	69.1	0.4	0.65
SF2751_	FM0014C_-APE_89	13.6	69.1	0.4	0.65
SF2752_	FM0015C_-APE_89	3.5	68.6	0.4	0.65
SF2753_	FM0015D_-APE_89	1.0	68.6	0.4	0.65
SF2754_	FM0015A_-APE_89	1.0	68.6	0.4	0.65
SF2755_	FM0015B_-APE_89	1.6	69.4	0.4	0.65
SF2756_	FM0016C_-APE_153	1.7	69.8	0.4	0.65
SF2757_	FM0017D_-APE_153	8.7	68.6	0.4	0.65
SF2758_	FM0017_-APE_153	14.1	67.7	0.4	0.65
SF2759_	FM0018B_-APE_153	33.8	67.5	0.4	0.65
SF2760_	FM0017A_-APE_153	5.6	67.2	0.4	0.65
SF2761_	FM0019A_-APE_153	1.0	62.7	0.4	0.65
SF2762_	FM0019C_-APE_153	16.9	62.7	0.4	0.65
SF2763_	FM0019B_-APE_153	11.1	62.7	0.4	0.65
SF2764_	FM0020C_-APE_154	11.1	60.4	0.4	0.65
SF2765_	FM0020D_-APE_154	1.9	60.9	0.4	0.65
SF2766_	FM0020_-APE_155	8.2	60.5	0.4	0.65
SF2767_	FM0021_-APE_155	10.3	59.1	0.4	0.65
SF2768_	FM0023C_-APE_164	9.3	56.6	0.4	0.65
SF2769_	FM0024D_-APE_164	2.0	56.3	0.4	0.65
SF2770_	FM0025B_-APE_156	1.0	56.0	0.4	0.65
SF2771_	FM0025C_-APE_156	1.0	55.8	0.4	0.65
SF2772_	FM0026D_-APE_156	1.3	55.9	0.4	0.65
SF2773_	FM0024A_-APE_156	2.0	55.7	0.4	0.65
SF2774_	FM0026_-APE_156	1.6	55.3	0.4	0.65
SF2775_	FM0027B_-APE_156	6.9	55.2	0.4	0.65
SF2776_	FM0027A_-APE_156	1.0	55.3	0.4	0.65
SF2777_	FM0028C_-APE_156	6.9	53.7	0.4	0.65
SF2778_	FM0028D_-APE_156	1.0	54.1	0.4	0.65
SF2779_	FM0029B_-APE_157	1.0	53.7	0.4	0.65
SF2780_	FM0029A_-APE_157	5.3	53.7	0.4	0.65
SF2781_	FM0029C_-APE_157	1.0	53.8	0.4	0.65
SF2782_	FM0029D_-APE_157	4.8	53.8	0.4	0.65
SF2783_	FM0030_-APE_157	10.2	53.2	0.4	0.65
SF2784_	FM0031_-APE_157	5.9	52.5	0.4	0.65
SF2785_	FM0032B_-APE_157	1.0	52.4	0.4	0.65

SF2786_	FM0032C_-APE_157	1.0	52.4	0.4	0.65
SF2787_	FM0032A_-APE_157	1.0	52.4	0.4	0.65
SF2788_	FM0032D_-APE_157	1.3	52.4	0.4	0.65
SF2789_	FM0033_-APE_157	3.0	52.1	0.4	0.65
SF2790_	FM0034B_-APE_157	9.3	51.9	0.4	0.65
SF2791_	FM0034A_-APE_157	1.8	51.9	0.4	0.65
SF2792_	FM0035A_-APE_261	1.0	50.8	0.4	0.65
SF2793_	FM0035C_-APE_261	9.2	50.7	0.4	0.65
SF2794_	FM0035B_-APE_261	1.8	50.8	0.4	0.65
SF2795_	FM0036A_-APE_261	1.0	50.0	0.4	0.65
SF2796_	FM0036C_-APE_261	1.8	50.0	0.4	0.65
SF2797_	FM0036B_-APE_261	14.6	50.0	0.4	0.65
SF2798_	FM0037A_-APE_262	1.0	48.1	0.4	0.65
SF2799_	FM0037C_-APE_262	14.6	48.3	0.4	0.65
SF2800_	FM0037B_-APE_262	5.8	48.1	0.4	0.65
SF2801_	FM1001_-APE_97	6.6	77.1	0.4	0.65
SF2802_	FM1003_-APE_97	8.5	72.9	0.4	0.65
SF2803_	FM1004D_-APE_89	1.0	72.2	0.4	0.65
SF2804_	FM1004C_-APE_89	1.4	72.3	0.4	0.65
SF2805_	FM2002_-APE_156	7.0	55.3	0.4	0.65
SF2806_	FM2003_-APE_156	7.1	54.3	0.4	0.65
SF2807_	FM2004D_-APE_156	1.0	53.9	0.4	0.65
SF2808_	FM2004C_-APE_156	3.2	53.6	0.4	0.65
SF2809_	BA0001_-APE_12	7.0	100.7	0.4	0.65
SF2810_	BA0002D_-APE_26	2.1	95.4	0.4	0.65
SF2811_	BA0002C_-APE_26	1.0	96.2	0.4	0.65
SF2812_	BA0002B_-APE_12	1.0	96.2	0.4	0.65
SF2813_	BA0002A_-APE_12	7.1	96.2	0.4	0.65
SF2814_	BA0003_-APE_26	5.6	94.2	0.4	0.65
SF2815_	BA0004A_-APE_26	3.5	92.9	0.4	0.65
SF2816_	BA0004B_-APE_26	1.4	92.9	0.4	0.65
SF2817_	BA0006C_-APE_26	2.6	89.4	0.4	0.65
SF2818_	BA0006D_-APE_26	3.7	89.4	0.4	0.65
SF2819_	BA0007_-APE_29	7.1	89.2	0.4	0.65
SF2820_	BA0008A_-APE_29	3.5	87.5	0.4	0.65
SF2821_	BA0008B_-APE_29	2.6	88.4	0.4	0.65
SF2822_	BA0009_-APE_84	9.3	86.5	0.4	0.65
SF2823_	BA0010_-APE_85	11.7	84.0	0.4	0.65
SF2824_	BA0011_-APE_85	5.9	81.5	0.4	0.65
SF2825_	BA0012_-APE_85	7.1	80.6	0.4	0.65
SF2826_	BA0013_-APE_86	15.3	78.7	0.4	0.65
SF2827_	BA0014C_-APE_82	11.7	72.2	0.4	0.65
SF2828_	BA0014D_-APE_82	1.6	69.9	0.4	0.65
SF2829_	BA0015_-APE_82	2.8	70.4	0.4	0.65
SF2830_	BA0016_-APE_82	1.8	70.1	0.4	0.65
SF2831_	BA0016A_-APE_83	1.0	70.6	0.4	0.65
SF2832_	BA0016B_-APE_83	3.0	71.0	0.4	0.65

SF2833_	BA0017_-APE_151	4.1	68.6	0.4	0.65
SF2834_	BA0019A_-APE_149	3.1	66.4	0.4	0.65
SF2835_	BA0019B_-APE_149	1.0	66.4	0.4	0.65
SF2836_	BA0019C_-APE_149	1.0	66.4	0.4	0.65
SF2837_	BA0019D_-APE_149	3.3	66.4	0.4	0.65
SF2838_	BA0020_-APE_149	6.0	65.4	0.4	0.65
SF2839_	BA0021_-APE_149	3.6	64.8	0.4	0.65
SF2840_	BA0023A_-APE_149	1.0	62.9	0.4	0.65
SF2841_	BA0023B_-APE_149	1.0	63.3	0.4	0.65
SF2842_	BA0023C_-APE_150	1.0	63.3	0.4	0.65
SF2843_	BA0023D_-APE_150	5.3	62.9	0.4	0.65
SF2844_	BA0024_-APE_150	8.9	61.5	0.4	0.65
SF2845_	BA0026_-APE_141	8.1	59.9	0.4	0.65
SF2846_	BA0027_-APE_141	5.1	59.1	0.4	0.65
SF2847_	BA0027_A-APE_141	1.0	58.9	0.4	0.65
SF2848_	BA0029_-APE_144	14.8	56.5	0.4	0.65
SF2849_	BA0030_B-APE_145	3.8	55.0	0.4	0.65
SF2850_	BA0031_A-APE_145	1.9	54.9	0.4	0.65
SF2851_	BA0032A_-APE_415	6.2	54.6	0.4	0.65
SF2852_	BA0032B_-APE_415	1.0	54.6	0.4	0.65
SF2853_	BA0032C_-APE_415	1.0	54.6	0.4	0.65
SF2854_	BA0032D_-APE_415	3.1	54.6	0.4	0.65
SF2855_	BA0033_-APE_415	7.0	53.5	0.4	0.65
SF2856_	BA0034_-APE_146	11.5	52.9	0.4	0.65
SF2857_	BA0035_-APE_146	6.2	51.8	0.4	0.65
SF2858_	BA0036_-APE_414	2.3	51.6	0.4	0.65
SF2859_	BA0037_-APE_414	8.6	51.5	0.4	0.65
SF2860_	BA0038_-APE_258	14.1	50.2	0.4	0.65
SF2861_	BA0039A_-APE_258	6.4	49.7	0.4	0.65
SF2862_	BA0039B_-APE_258	1.0	49.7	0.4	0.65
SF2863_	BA0039C_-APE_258	1.0	49.3	0.4	0.65
SF2864_	BA0039D_-APE_258	2.3	49.6	0.4	0.65
SF2865_	BA0043A_-APE_259	7.8	49.4	0.4	0.65
SF2866_	BA0043B_-APE_259	1.6	49.4	0.4	0.65
SF2867_	BA0041A_-APE_258	2.3	49.2	0.4	0.65
SF2868_	BA0041B_-APE_258	1.3	49.2	0.4	0.65
SF2869_	BA0031_B-APE_145	6.2	54.5	0.4	0.65
SF2870_	BA0030_A-APE_145	5.1	55.9	0.4	0.65
SF2871_	BA0027_B-APE_141	9.8	57.9	0.4	0.65
SF2872_	FI0033_-APE_411	5.6	46.2	0.4	0.65
SF2873_	FI0032_-APE_411	7.9	46.3	0.4	0.65
SF2874_	FI0031A_-APE_411	6.8	46.1	0.4	0.65
SF2875_	FI0023A_-APE_409	5.8	51.4	0.4	0.65
SF2876_	FI0022A_-APE_409	5.3	52.1	0.4	0.65
SF2877_	FI0021A_-APE_409	6.1	52.6	0.4	0.65
SF2878_	FI0020_-APE_409	10.6	53.1	0.4	0.65
SF2879_	FI0017_-APE_409	11.8	53.3	0.4	0.65

SF2880_	FI0008A_-APE_357	5.3	58.3	0.4	0.65
SF2881_	FI0009D_-APE_356	3.9	58.7	0.4	0.65
SF2882_	FI0007_-APE_349	12.0	59.0	0.4	0.65
SF2883_	FI0016A_-APE_409	4.5	54.8	0.4	0.65
SF2884_	FI0024_-APE_409	14.1	51.0	0.4	0.65
SF2885_	FI0006_-APE_349	13.9	60.4	0.4	0.65
SF2886_	FI0005D_-APE_349	7.1	63.0	0.4	0.65
SF2887_	FI0004A_-APE_347	14.2	64.2	0.4	0.65
SF2888_	FI0003_-APE_347	20.5	85.7	0.4	0.65
SF2889_	FI0002D_-APE_347	6.3	101.2	0.4	0.65
SF2890_	FI0001A_-APE_347	1.0	112.2	0.4	0.65
SF2891_	FI0034A_-APE_411	2.5	46.7	0.4	0.65
SF2892_	FI0029A_-APE_406	3.3	47.2	0.4	0.65
SF2893_	FI0027_-APE_406	3.3	47.0	0.4	0.65
SF2894_	FI0025A_-APE_409	8.4	50.4	0.4	0.65
SF2895_	FI0026_-APE_409	4.6	49.5	0.4	0.65
SF2896_	FI0002C_-APE_347	5.3	101.3	0.4	0.65
SF2897_	ST0002_-APE_122	6.9	93.3	0.4	0.65
SF2898_	ST0004_-APE_223	4.8	62.5	0.4	0.65
SF2899_	ST0005_-APE_223	7.5	61.0	0.4	0.65
SF2900_	ST0006A_-APE_223	2.7	61.2	0.4	0.65
SF2901_	ST0007D_-APE_220	1.6	60.4	0.4	0.65
SF2902_	ST0008A_-APE_220	1.0	57.9	0.4	0.65
SF2903_	ST0009_-APE_221	1.9	57.0	0.4	0.65
SF2904_	AN1029_-APE_362	3.8	48.5	0.4	0.65
SF2905_	ST1005B_-APE_123	45.4	87.3	0.4	0.65
SF2906_	FI0002B_-APE_347	5.3	112.4	0.4	0.65
SF2907_	ME1024G_-APE_236	1.6	65.4	0.4	0.65
SF2908_	ME1024E_-APE_235	2.5	65.9	0.4	0.65
SF2909_	ME1023C_-APE_235	2.3	65.6	0.4	0.65
SF2910_	ME1025_-APE_236	1.9	64.5	0.4	0.65
SF2911_	ME1026_-APE_236	1.0	64.5	0.4	0.65
SF2912_	ME1027_-APE_236	2.0	64.4	0.4	0.65
SF2913_	ME1028B_-APE_236	1.5	64.3	0.4	0.65
SF2914_	ME1029_-APE_236	1.0	64.3	0.4	0.65
SF2915_	ME1030_-APE_236	1.4	64.1	0.4	0.65
SF2916_	ME1031_-APE_236	1.6	64.3	0.4	0.65
SF2917_	ME1032_-APE_236	2.5	63.9	0.4	0.65
SF2918_	ME1033_-APE_236	3.8	63.8	0.4	0.65
SF2919_	ME1034_-APE_236	4.0	63.0	0.4	0.65
SF2920_	ME1035_-APE_236	3.4	62.8	0.4	0.65
SF2921_	ME1036_-APE_236	2.9	62.6	0.4	0.65
SF2922_	ME1037_-APE_236	3.4	62.1	0.4	0.65
SF2923_	ME1038_-APE_236	6.4	62.4	0.4	0.65
SF2924_	ME1039_-APE_236	7.8	61.2	0.4	0.65
SF2925_	ME1040_-APE_236	5.3	61.3	0.4	0.65
SF2926_	ME1041_-APE_236	6.8	60.8	0.4	0.65

SF2927_	ME1042_-APE_236	8.2	60.2	0.4	0.65
SF2928_	ME1043_-APE_236	7.8	59.9	0.4	0.65
SF2929_	ME1044_-APE_236	7.6	59.7	0.4	0.65
SF2930_	ME1045_-APE_236	1.0	59.2	0.4	0.65
SF2931_	ME1046_-APE_236	1.0	59.7	0.4	0.65
SF2932_	ME1047_-APE_236	2.0	60.1	0.4	0.65
SF2933_	ME1048_-APE_236	1.9	59.8	0.4	0.65
SF2934_	ME4009_-APE_384	2.5	47.0	0.4	0.65
SF2935_	ME1010_-APE_232	1.0	75.4	0.4	0.65
SF2936_	ME1010B_-APE_232	1.0	75.4	0.4	0.65
SF2937_	ME5001_-APE_236	2.0	60.0	0.4	0.65
SF2938_	FI0022B_-APE_409	5.8	52.1	0.4	0.65
SF2939_	CA4008A_-APE_384	4.8	45.3	0.4	0.65
SF2940_	CA4007A_-APE_384	1.6	45.3	0.4	0.65
SF2941_	CA4006_-APE_384	11.2	46.1	0.4	0.65
SF2942_	CA4005_-APE_384	25.2	46.2	0.4	0.65
SF2943_	CA4004_-APE_384	22.9	46.1	0.4	0.65
SF2944_	CA4003_-APE_384	13.2	46.6	0.4	0.65
SF2945_	CA4002_-APE_384	7.8	47.2	0.4	0.65
SF2946_	CA4001_-APE_384	1.9	46.6	0.4	0.65
SF2947_	BA0023_A-APE_149	4.5	63.5	0.4	0.65
SF2948_	GR1002B_-APE_369	2.3	45.3	0.4	0.65
SF2949_	MA1001A_-APE_381	1.0	44.2	0.4	0.65
SF2950_	SA1001A_-APE_364	1.0	45.8	0.4	0.65
SF2951_	SA1002_-APE_364	9.0	45.3	0.4	0.65
SF2952_	SA1003_-APE_364	14.0	45.3	0.4	0.65
SF2953_	SM1003A_-APE_371	1.0	43.9	0.4	0.65
SF2954_	MA1001D_-APE_371	1.0	44.2	0.4	0.65
SF2955_	SA1004D_-APE_371	1.0	44.2	0.4	0.65
SF2956_	SM1001A_-APE_371	1.0	44.2	0.4	0.65
SF2957_	SM1001D_-APE_371	1.0	43.9	0.4	0.65
SF2958_	AN3001A_-APE_364	1.4	47.9	0.4	0.65
SF2959_	BG0001_-APE_245	1.5	110.0	0.4	0.65
SF2960_	SA1003B_-APE_369	14.0	44.9	0.4	0.65
SF2961_	SA1003C_-APE_369	23.5	44.9	0.4	0.65
SF2962_	ME6003_-APE_383	3.8	46.8	0.4	0.65
SF2963_	ME5042_-APE_304	14.0	52.3	0.4	0.65
SF2964_	AN1014_-APE_280	8.0	49.0	0.4	0.65
SF2965_	ST5018_-APE_293	8.0	51.7	0.4	0.65
SF2966_	CM5002_-APE_305	10.0	49.8	0.4	0.65
SF2967_	FU5031_-APE_292	6.5	51.8	0.4	0.65
SF2968_	SD3005_-APE_294	5.0	52.0	0.4	0.65
SF2969_	SD3009_-ST5022_	1.2	52.0	0.4	0.65
SF2970_	FM0006A_-FM0006B_	0.8	77.1	0.4	0.65
SF2971_	AN1020A_-SA1001A_	1.5	46.1	0.4	0.65
SF2972_	PL1002A_-SA1002_	1.7	45.3	0.4	0.65
SF2973_	GR1002B_-SA1003B_	1.6	43.7	0.4	0.65

SF2974_	FU5028_-APE_292	6.5	51.8	0.4	0.65
SF2975_	FU5029_-APE_292	6.5	51.8	0.4	0.65
SF2976_	FU5030_-APE_292	6.5	51.8	0.4	0.65
SF2977_	FU5032_-APE_292	6.5	51.8	0.4	0.65
SF2978_	ST5016_-APE_293	8.0	51.7	0.4	0.65
SF2979_	ST5017_-APE_293	8.0	51.7	0.4	0.65
SF2980_	ST5018A_-APE_293	8.0	51.7	0.4	0.65
SF2981_	ME5040_-APE_304	14.0	52.3	0.4	0.65
SF2982_	ME5041_-APE_304	14.0	52.3	0.4	0.65
SF2983_	FM0024_-FM0024A_	0.8	55.7	0.4	0.65

Principali caratteristiche delle Portelle di Collegamento

CODICE Portella	CONNESSIONE	L [m]	H_{min} [m s.l.m.]	H_{max} [m s.l.m.]
PO001_	APE_304-ME5043__	0.5	50.0	50.5
PO002_	APE_304-CM5010__	0.5	49.0	49.5
PO003_	APE_305-CM5004__	0.5	49.2	49.7
PO004_	APE_294-SD3005__	0.5	50.1	50.6
PO005_	CM5004__-APE_305	0.5	49.7	50.2
PO006_	CM5010__-APE_304	0.5	49.3	49.8
PO007_	ST5022__-SD3009__	0.8	50.0	50.8

Principali caratteristiche degli Impianti Idrovori

CODICE Idrovora	CONNESSIONE	Q [m ³ /s]	$H_{attacco}$ [m s.l.m.]	H_{stacco} [m s.l.m.]
ID001_	CM5011__-ME5044A_	0.05	50.0	49.5
ID002_	CM5011__-ME5044A_	0.05	50.3	49.8
ID003_	CM5011__-ME5044A_	0.05	50.6	50.1
ID004_	AN3001A_-APE_280	0.60	46.1	45.9
ID005_	AN3001A_-APE_280	0.60	46.4	46.2
ID006_	AN3001A_-APE_280	0.60	46.7	46.5
ID007_	AN3001A_-APE_280	0.60	47.0	46.8
ID008_	SM1003A_-ME5121__	1.20	42.0	41.4
ID009_	SM1003A_-ME5121__	1.20	42.4	41.8
ID010_	SM1003A_-ME5121__	1.20	42.8	42.2
ID011_	SA1003B_-AG5005__	0.03	42.8	42.6
ID012_	SA1003B_-AG5005__	0.03	43.0	42.8
ID013_	SA1003B_-AG5005__	0.03	43.2	43.0
ID014_	SA1003B_-AG5005__	0.03	43.4	43.2

Scabrezza

Tronco	Scabrezza G.S.
Settola	36
Bure_01	30
Bure_02	30
Badia_01	45
Molini_sc	45
Badia_02	45
Bure_03	30
Molini_11	45
Molini_12	45
Molini_dv_01	45
Molini_21	45
Molini_22	45
Molini_dv_02	45
Molini_03	45
Bure_04	30
Agnaccino_01	45
Poltronova	45
Agnaccino_02	45
Bure_05	30
Gramigneto	45
Bure_06	30
Agna_Conche	30
Agna_01	30
Agna_02	30
Bure_07	30
Stregale_01	45
Stregale_dv	60
Mendacione_01	36
Mendacione_fo	45
Mendacione_02	36
Stregale_02	45
Mendacione_03	36
Funandola	45
Mendacione_04	36
Agnaccino_sc_01	60
Mazzaccheri_fg	60
Agnaccino_sc_02	60
Calice	30
Bagnolo	30
Ficarello	30

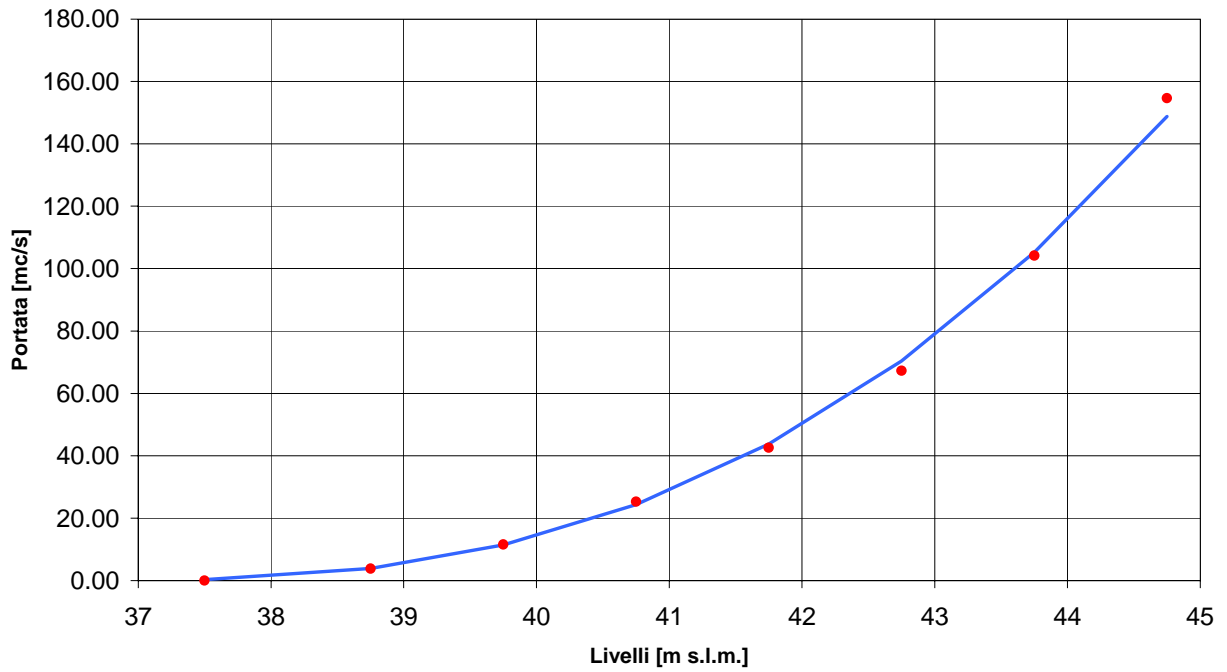
Parametri delle Scale di Deflusso e delle Bocche Tarate

Scale di deflusso sezioni finali				
Descrizione	Parametri $Q=a(H-b)^c+d$ Q [mc/s], H[m s.l.m.]			
	a	b	c	d
Calice	0.743	36.850	2.564	0.000
Bagnolo	1.905	39.600	2.343	0.000
Ficarello	2.944	43.600	2.038	0.000
Scolmatore Agnaccino	2.686	41.300	1.626	0.000

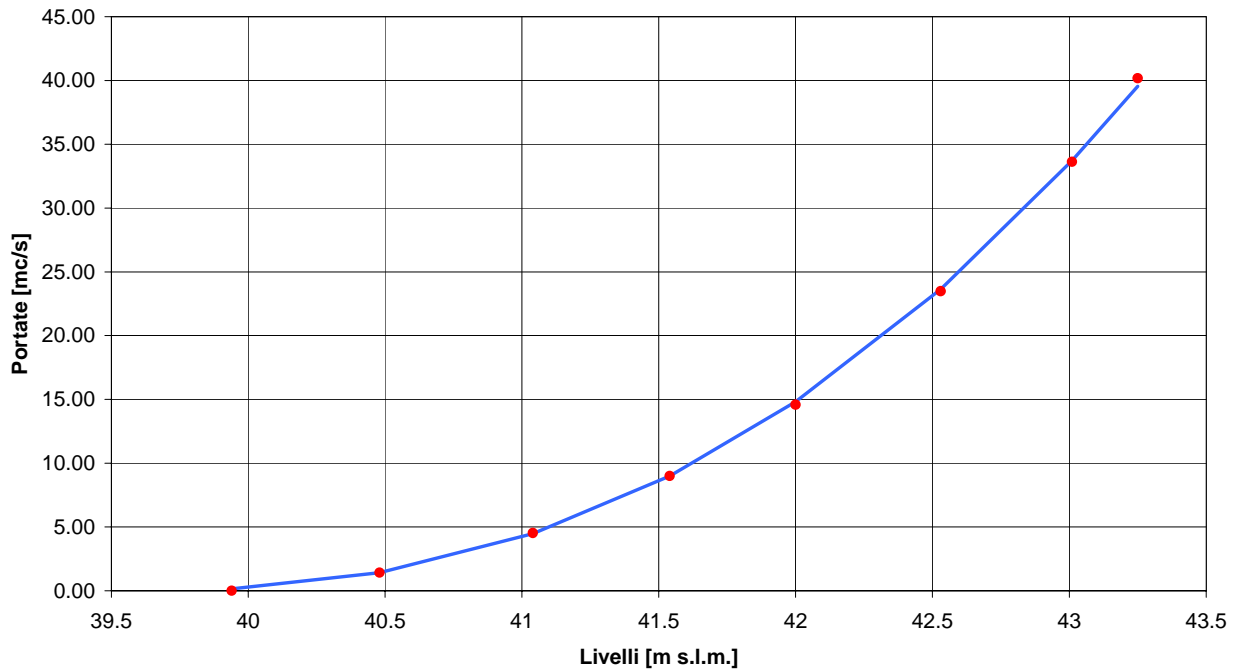
Parametri bocche tarate								
Descrizione	Larghezza luce [m]	Altezza luce [m]	Altezza soglia [m]	Larghezza soglia [m]	Quota riferimento [m s.l.m.]	Parametro luce	Parametro luce rigurgitata	Parametro soglia
Funandola	0.40	0.50	2.65	7.50	50.35	0.40	0.70	0.40
Stregale	0.50	0.50	2.35	5.80	50.25	0.40	0.70	0.40
Diversivo Stregale*	1.00	0.60	3.00	12.00	50.00	0.23	0.22	0.40

* Condotta 1m di larghezza per 0.6m di altezza, lunghezza 400 m e scabrezza 60 di G.S.

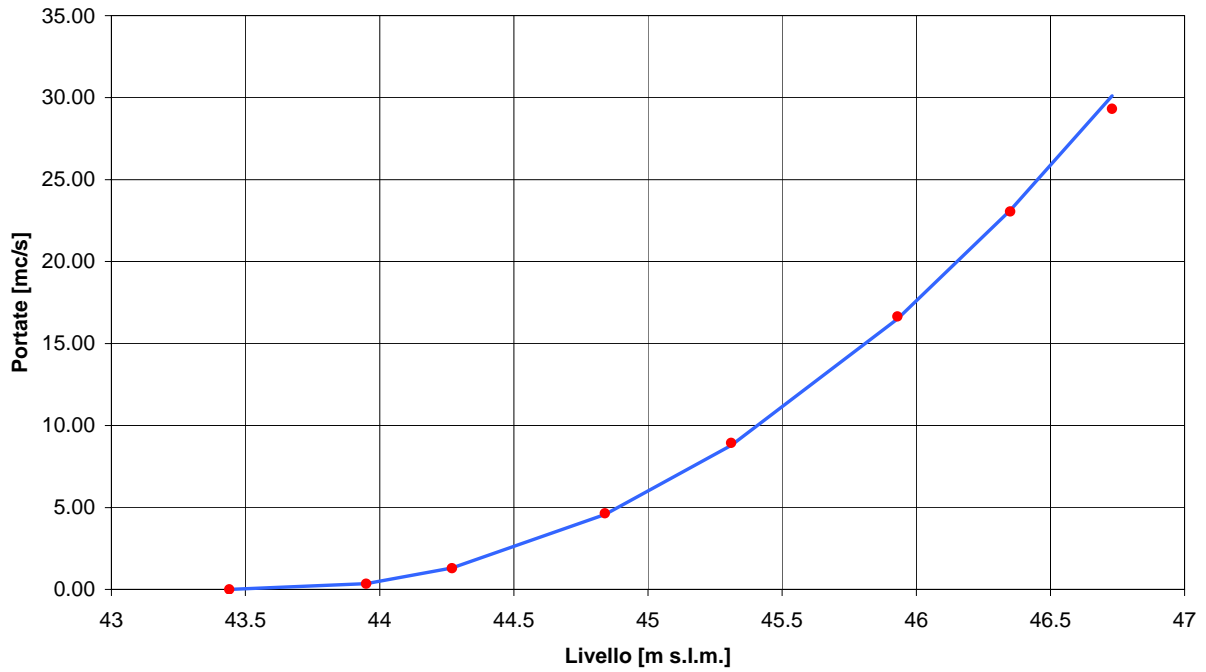
Scala di deflusso torrente Calice



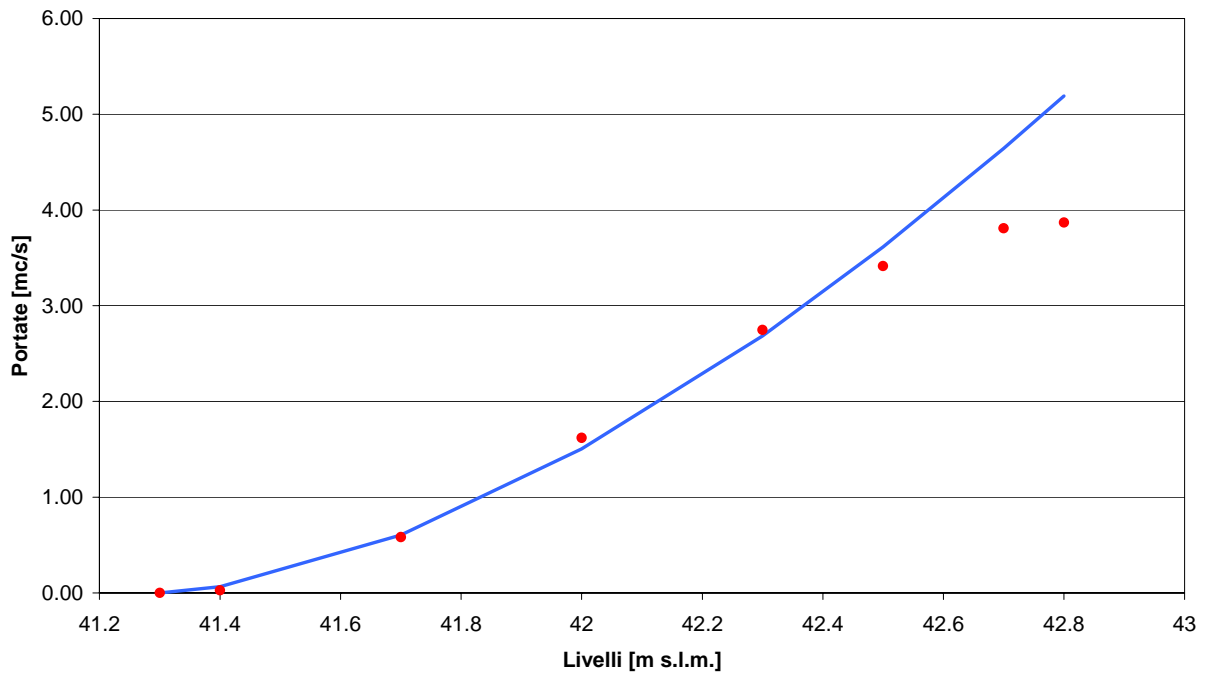
Scala di deflusso torrente Bagnolo



Scala di deflusso torrente Ficarello



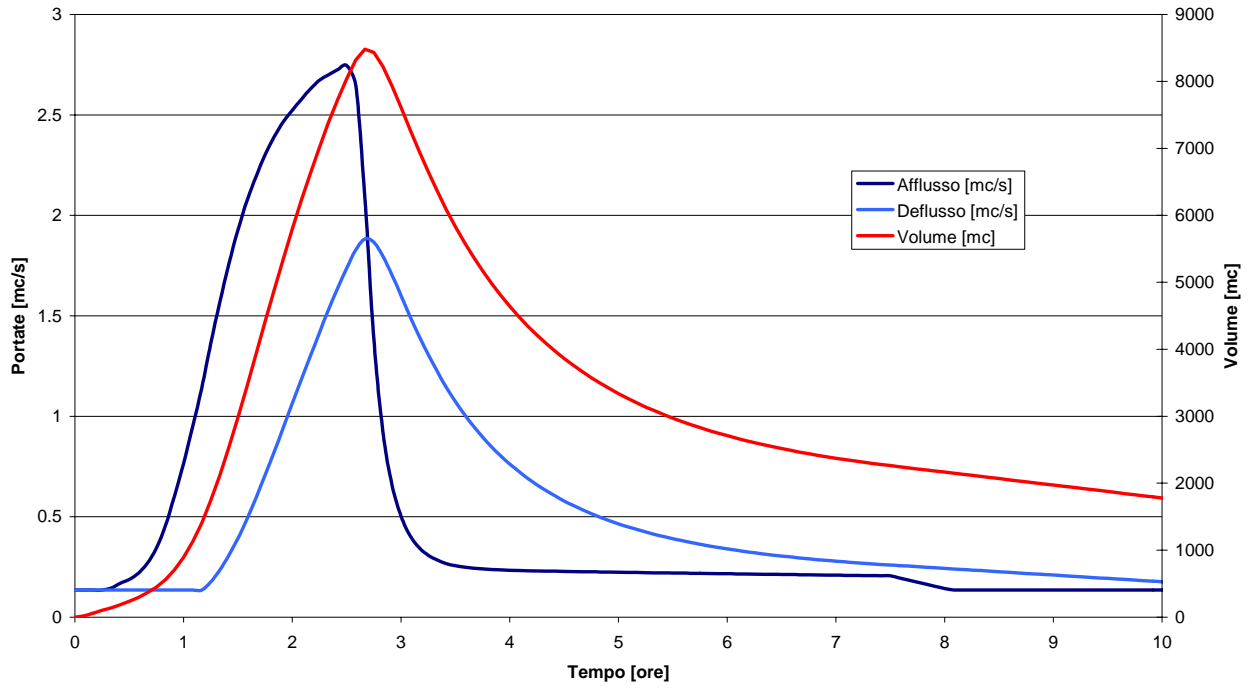
Scala di deflusso Scolamtore Agnaccino



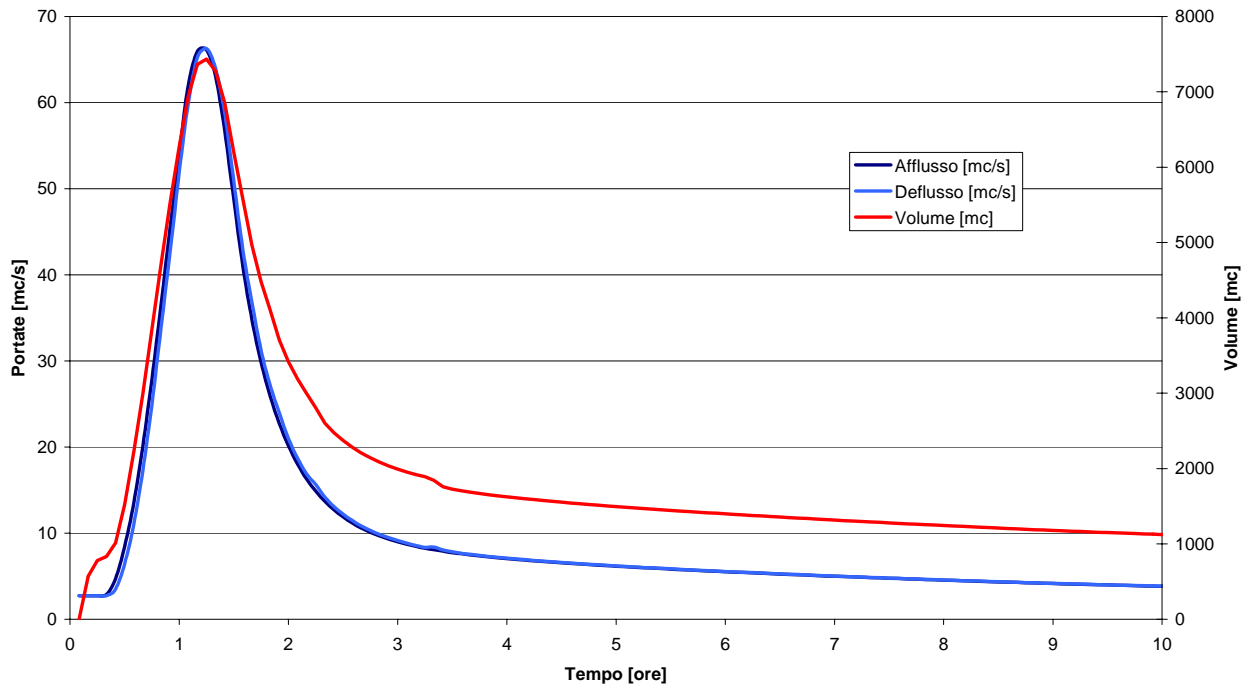
Parametri degli Invasi

CODICE	DENOMINAZIONE	AREA [m ²]	Tipo	V=aH ^b									
				a	b	Larghezza luce [m]	Parametro luce	Altezza luce [m]	Parametro luce a battente	Larghezza soglia [m]	Parametro soglia	Altezza soglia [m]	Altezza paratoia aperta
Invaso_003	Fosso della Badia	14966	Invaso con soglia fissa	16800	1.000	3.0	0.4	0.0	0.8	3.0	0.4	3.0	0.0
Invaso_004	Torrente Bagnolo	20986	Invaso con paratoia mobile	20985	1.000	16.0	0.4	0.0	0.8	16.0	0.4	2.0	2.5

Invaso Badia - tempo di ritorno 200 anni



Invaso Bagnolo - tempo di ritorno 200 anni



Portelle in Alveo

Sono state inserite le seguenti portelle:

CORSO D'ACQUA	SEZIONE
Diversivo Stregale	SD3010B_
Fosso Stregale	ST5036N_
Canale Mendacione	CM5011B_