Appendix 3.
Best 2-point lod score for each EST tested (**A**), or marker it has collapsed with (**B**).
A

EST	closest marker	theta	lod
DP010002000F07	FH4169	0.153	12.626
DP010004000A03	DOPRH07	0.098	23.039
DP010004000E02	EST-CFZ97756	0.032	19.599
DP010004000E06	FH3040	0.154	14.464
DP010005000C02	FH3820	0.26	15.391
DP010005000C04	BAC_373-E14	0.096	16.616
DP010005000G03	LYZ	0.134	16.852
DP010005000G05	BAC_376-F21	0.066	17.778
DP020001000B10	BAC_385-J11	0.162	18.712
DP020001000C01	C12.406	0.047	23.707
DP020001000E08	EST23C6	0.119	19.114
DP020001000F01	BAC_375-C3	0.072	16.274
DP020001000H07	FH2972	0.047	23.707
DP020002000C01	REN286P10	0.511	5.759
DP020002000G09	EST19D1	0.125	15.592
DP030001000E12	GALK1	0.199	13.646
DP030001000H05	REN69E24	0.03	21.281
DP030002000C07	CD80	0.071	21.87
DP040002000F07	EST3H1	0.054	20.992
DP040002000H06	FH3023	0.093	24.231
DP050001000C09	BAC_373-E14	0.145	13.279
DP050001000E10	EST10E7	0.124	20.745
DP050002000B02	REN162C04*	0.168	13.193
DP050002000B06	FH2795	0.046	23.948
DP050002000E07	BAC_376-A19	0.267	10.932
DP050002000H11	AHT117	0.138	14.068
DR010001000C02	EST-CFZ97737*	0.198	12.274
DR010001000D10	EST17C3	0.044	24.569
DR010001000E02	EST22F10*	0.14	18.227
DR010001000E07	REN306J16	0.03	21.035
DR010001000F11	EST28H2-REN186B12	0.071	21.87
DR010001000H12	FH2004	0.305	10.745
DR010003000D11	REN44K22	0.325	9.76
DR010003000E10	STS156J06*	0.125	18.204
DR010003000F08	NR3C1	0.063	18.27
DR010003000F09	EST4H11	0.257	11.436

DR010003000G06	EST28H2-REN186B12	0.023	25.895
DR010003000H08	COL1A2	0.035	18.394
DR010004000A05	DOPRH07	0.169	19.365
DR010004000A06	174-2	0.023	26.004
DR010004000A10	EST10C1	0.257	11.436
DR010004000B06	BAC_374-M7	0.05	22.473
DR010004000G02	FCER1A	0.216	12.295
DR010004000G05	EST14F9	0.086	13.791
DR010005A10A07	REN187M05	0.297	12.945
DR010005A10A08	DOPRH07	0.313	12.479
DR010005A10A12	DR010013B20C04*	0.394	8.834
DR010005A10B03	BAC_381-F4	0.083	19.137
DR010005A10B07	EST4G12	0.067	22.894
DR010005A10D01	BAC_380-B2*	0.093	12.854
DR010005A10D09	REN292N24*	0.069	22.469
DR010005A10E07	BAC_373-K15	0.131	16.924
DR010005A10G10	BAC_381-O14	0.05	22.366
DR010005A10H05	BAC_374-O23	0.064	17.969
DR010005A20A01	DIO1	0.069	17.04
DR010005A20B10	BAC_381-P8	0.072	21.538
DR010005A20B12	EST4E11*	0.099	19.679
DR010005A20C06	C09.173	0.083	23.226
DR010005A20C09	EST2A7	0.093	23.735
DR010005A20E07	REN01N09	0.301	11.564
DR010005A20F07	REN05D05	0.145	10.936
DR010005A20G01	BAC_376-D1	0.056	20.47
DR010005B10C12	BAC_372-M11	0.395	7.498
DR010005B10D01	BAC_374-E15*	0.201	9.266
DR010005B10D05	GPAA1	0.076	15.423
DR010005B10G08	REN160M18	0.234	15.454
DR010005B10H04	EST4D1	0.367	9.393
DR010005B10H06	FH3241	0.16	20.465
DR010005B20D05	EST20H9	0.207	11.713
DR010005B20F05	MYL2	0.11	17.5
DR010005B20G08	REN52L05	0.311	13.122
DR010005B20H11	BAC_375-J11	0.175	19.792
DR010006A10A08	AHTH265	0.131	14.839
DR010006A10C01	IFNW1	0.092	17.304
DR010006A10E01	FH2791	0.095	20.233

DR010006A10E12	REN276B08*	0.113	17.021
DR010006A10F06	EST26C11	0.076	15.478
DR010006A10F09	FH3009	0.106	21.43
DR010006A20A09	BAC_373-M6	0.108	18.115
DR010006A20B03	FH2831	0.075	20.839
DR010006A20B08	C14.866	0.181	13.689
DR010006A20B09	EST11E8	0.051	22.241
DR010006A20E02	PRKCD	0.377	6.401
DR010006A20G08	REN247L23	0.068	22.583
DR010006A20H09	PEZ19	0.138	19.877
DR010006A20H12	AHTH68REN	0.394	9.767
DR010006B10A12	HCVB72*	0.075	25.492
DR010006B10B09	EST5A11	0.221	13.991
DR010006B10E05	REN197E16	0.226	16.23
DR010006B10F02	REN292B07	0.047	23.199
DR010006B10F07	AHTH246	0.14	18.227
DR010006B10G04	FH3802	0.157	20.967
DR010006B10H02	EST17C3	0.185	17.429
DR010006B20A04	REN114G01	0.069	16.976
DR010006B20A06	EST28C7	0.086	18.278
DR010006B20F07	C13.391	0.181	18.737
DR010006B20F12	BAC_373-A21	0.074	21.154
DR010006B20G02	BAC_372-E19*	0.089	17.89
DR010007A10B03	FH3118	0.022	27.15
DR010007A10C09	EST22B10*	0.074	21.154
DR010007A10C10	FH2748	0.086	18.443
DR010007A10H11	FH3118	0.09	21.599
DR010007A20C08	EST8H9	0.275	13.014
DR010007A20E07	POU1F1	0.161	20.097
DR010007A20E10	REN128H16	0.086	22.161
DR010007A20G11	P2RX7	0.097	23.201
DR010007A20H11	EST7D6	0.112	17.356
DR010007B10A08	LAMB3	0.226	11.478
DR010007B10B04	DTR37.25	0.242	11.527
DR010007B10E09	REN248F14	0.385	7.624
DR010007B10G01	C13.900	0.325	10.243
DR010007B20E04	FH2708	0.163	15.3
DR010007B20G08	EST12E3	0.08	19.726
DR010008A11E03	FH1024	0.077	15.255

DR010008A11E11	EST7G6	0.08	19.816
DR010008A11G12	BAC_373-G11*	0.125	12.768
DR010008B10C03	FH3702	0.057	12.079
DR010008B10E03	REN292N24*	0.075	20.739
DR010008B10E04	BAC_375-C17*	0.464	4.559
DR010008B20H11	COL1A1	0.174	14.302
DR010009A10A09	BAC_381-J15	0.129	17.487
DR010009A10A12	EST17H2	0.041	26.384
DR010009A10B12	BAC_382-E21	0.216	15.418
DR010009A10E09	EST8D7	0.094	20.677
DR010009A10G01	EST3H1	0.054	20.902
DR010009A20A10	EST8H9	0.356	10.031
DR010009A20D03	REN112C08	0.237	12.518
DR010009A20E07	REN211M13	0.232	13.186
DR010009B10B08	PCK1	0.226	13.603
DR010009B10E02	EST10H7	0.031	20.445
DR010009B10F03	BAC_372-G7	0.124	20.403
DR010009B10G12	AHTH201REN*	0.176	10.419
DR010009B20B08	FH3903	0.126	15.525
DR010009B20D06	REN276B08*	0.481	6.655
DR010009B20E10	STS148L07	0.159	17.535
DR010010A10A12	EST20A11	0.073	21.469
DR010010A10C11	REN173L15*	0.048	23.314
DR010010A20C04	REN280C08	0.14	18.227
DR010010A20C05	BAC_373-A21	0.171	16.259
DR010010A20F04	EST26H9	0.177	12.486
DR010010B10A06	BAC_373-G6	0.459	5.131
DR010010B20B05	C02604	0.208	11.429
DR010010B20E05	FH2885	0.197	12.513
DR010010B20E08	BAC_382-M2	0.145	13.279
DR010010B20E11	EST10F1	0.354	7.119
DR010010B20H12	FH2831	0.025	24.224
DR010011A10E07	BAC_375-M3	0.268	6.386
DR010011A10F09	MC1R	0.118	13.546
DR010011A10H05*	IL8	0.08	19.816
DR010011A20A01	BAC_380-F2	0.281	10.798
DR010011A20F01	REN207M20	0.234	12.942
DR010011A20G01	REN72K15	0.145	20.954
DR010011A20H04	BAC_375-O18*	0.071	21.979

DR010011B10D02	BAC_381-D15	0.133	16.939
DR010011B10G11	GALK1	0.154	14.602
DR010011B21A02	BAC_381-L3	0.092	17.159
DR010011B21C03	HCVB72*	0.157	19.457
DR010011B21C04	BAC_372-M24	0.159	20.757
DR010011B21D03	SLC6A12	0.045	24.65
DR010011B21G10	174-2	0.022	27.015
DR010011B21H10	BAC_376-E7	0.093	16.936
DR010012A10B02	FH3803	0.216	15.304
DR010012A10C09	REN303J04	0.089	24.825
DR010012A10H05	FH3023	0.184	18.604
DR010012A20A01	BAC_376-H17	0.048	23.314
DR010012A20B04	BAC_376-E21	0.187	14.625
DR010012A20C06	BAC_375-E23	0.024	24.871
DR010012A20D08	GRIN2B*	0.248	12.057
DR010012A20H11	BAC_381-L9	0.155	18.183
DR010012B10A08	REN292N24*	0.072	21.538
DR010012B10B09	E04008	0.073	16.094
DR010012B10D01	HP*	0.048	14.055
DR010012B10G07	BAC_376-E11	0.295	12.357
DR010012B10G08	EST10D4*	0.181	15.158
DR010012B10H02	PCK1	0.134	19.023
DR010012B20A04	COS18	0.022	26.88
DR010012B20D04	REN292B07	0.16	17.425
DR010012B20E10	EST17G5*	0.081	14.497
DR010012B20G10	REN54E19	0.424	9.045
DR010012B20H05	REN173D06	0.027	22.988
DR010013A10A02	FH2290	0.37	7.473
DR010013A10A05	BAC_381-L21	0.127	19.93
DR010013A10B02	EST28H9	0.044	25.222
DR010013A10D05	FH3300	0.138	16.37
DR010013A10E04	EST12G5	0.069	16.976
DR010013B10A02	FH3053*	0.29	10.439
DR010013B10B09	FH2790	0.263	14
DR010013B10C01	FH3725	0.028	21.852
DR010013B10F09	REN303J04	0.086	25.966
DR010013B10F10	EST15E10	0.056	20.298
DR010013B20A02	REN51I12	0.181	15.071
DR010013B20E08	BAC_374-A7	0.023	25.776

DR010013B20G07	HCVB72*	0.261	13.361
DR010013B20H06	BAC_375-C17*	0.045	15.027
DR010014A20D07	REN147N10	0.175	18.527
DR010014B10B04	FH2585*	0.051	22.241
DR010014B10B10	REN06H21	0.06	19.02
DR010014B10C07	EST17C8	0.056	20.384
DR010014B10D04	BAC_372-E11*	0.1	11.966
DR010014B10E07	FH2495	0.361	7.358
DR010014B10H01	EST22B10*	0.12	18.904
DR010014B10H03	MC1R	0.039	16.666
DR010014B10H08	BAC_381-G3	0.223	16.086
DR010014B20C05	EST9H2	0.208	11.487
DR010014B20D03	BAC_381-B3*	0.031	20.599
DR010014B20E10	EST13H2	0.147	4.779
DR010014B20G10	BAC_376-G11	0.254	15.256
DR010015A10A07	BAC_381-G15	0.057	12.114
DR010015A10A12	BAC_381-D2	0.082	23.152
DR010015A10E11	BAC_381-N11*	0.134	16.764
DR010015A20A02	BAC_372-I23	0.266	10.995
DR010015A20C04	BAC_381-D23	0.305	8.891
DR010015A20H12	REN176D05	0.13	17.303
DR010015B10A12	BAC_381-L9	0.158	17.752
DR010015B10C07	RHO	0.307	11.384
DR010015B10H11	BAC_381-D2	0.079	24.266
DR010015B20A07	AHTH67*	0.268	12.387
DR010015B20D06	FH3505	0.174	14.447
DR010015B20D12	EST26H9	0.121	16.186
DR010016A10A12	EST9C6	0.091	21.261
DR010016A10D10	BAC_376-O1*	0.046	24.306
DR010016A10F08	CFOR12C10	0.027	22.569
DR010016A10H09	AHTH279	0.109	23.187
DR010016A20A08	BAC_372-A8*	0.08	19.816
DR010016A20F01	EST17C8	0.085	18.525
DR010016A20H01	STS41D02	0.106	18.325
DR010016B10H07	REN113M13	0.109	20.509
DR010016B20E05	GNRHR*	0.083	19.05
DR010016B20F06	FH3058	0.096	20.187
DR010016B20H06	REN187J21	0.143	15.78
DR010017A10A07	EST19D1	0.028	21.937

DR010017A10B01	EST10D4*	0.077	20.293
DR010017A10B02	CPH2	0.121	16.186
DR010017A10C11	REN194P02	0.119	21.629
DR010017A10D05	FH2625	0.345	11.055
DR010017A10E03	REN247L23	0.09	21.48
DR010017A21A05	EST3G2	0.168	16.437
DR010017A21A06	BAC_372-E7*	0.141	18.019
DR010017A21B03	FH3970	0.042	15.919
DR010017A21B04	AHTK40	0.17	16.353
DR010017A21D02	BRCA2	0.151	16.566
DR010017A21D05	EST23G12	0.121	21.023
DR010017A21D11	STS172O19	0.56	5.141
DR010017A21D12	FH4019*	0.169	17.95
DR010017A21F03	FH4168*	0.106	15.103
DR010017A21F10	BAC_376-A13*	0.096	16.48
DR010017A21H09	EST17E6	0.22	14.171
DR010017B10A02	EST13C5	0.097	19.977
DR010017B10A12	BAC_374-O11	0.359	8.596
DR010017B10C02	REN288K01	0.177	12.486
DR010017B10D03	SLC2A3	0.075	20.739
DR010017B10D08	BAC_375-O8	0.018	30.911
DR010017B10H05	BAC_376-G15	0.188	14.461
DR010017B20B06	C12.406	0.208	15.184
DR010017B20C10	EST13G8	0.068	22.703
DR010017B20D06	FH2998	0.108	18.029
DR010017B20E08	BAC_375-M4	0.175	15.85
DR010017B20F02	REN260I04	0.029	21.765
DR010017B20F03	REN110H18	0.143	21.465
DR010017B20H10	FH2239	0.134	19.136
DR010017B20H12	DR010007A20G06*	0.485	5.474
DR010018A10A01	REN266K05	0.198	14.942
DR010018A10C12	EST10C1	0.126	17.821
DR010018A20A10	EST11E8	0.052	21.673
DR010018A20B10	IL8	0.162	15.546
DR010018A20B12	BAC_376-A13*	0.154	14.602
DR010018A20C05	BAC_375-G23*	0.046	24.306
DR010018A20C12	BAC_375-G8	0.032	19.599
DR010018A20D10	EST11H10	0.116	19.479
DR010018B10D01	CFOR10A02*	0.145	13.279

DR010018B10E02	BAC_376-D1	0.03	21.281
DR010018B10E11	EST6F7	0.072	16.274
DR010018B20E06	BAC_372-E8	0.246	14.472
DR010018B20F02	CFOR16H04	0.148	17.245
DR010018B20H11	EST18E2	0.121	9.696
DR010019A10B01	EST17C8	0.054	20.902
DR010019A10E10	DIO1	0.066	17.778
DR010019A10F07	REN164F06	0.092	17.304
DR010019A20E10	REN239K24	0.1	22.44
DR010019B10C03	TSC1	0.145	13.391
DR010019B10G05	BAC_381-O11	0.102	25.109
DR010019B10H01	EST11H10	0.094	20.457
DR010019B20A10	PGA@*	0.025	24.542
DR010019B20B10	FH3396	0.6	4.117
DR010019B20C03	REN42F10	0.114	22.107
DR010019B20C07	EST9C6	0.023	26.253
DR010019B20E04	FH2772	0.217	14.156
DR010019B20E11	BAC_59C2	0.031	20.599
DR010019B20H03	REN172J16	0.155	14.395
DR010020A10A02	BAC_385-D21	0.339	8.615
DR010020A10A03	COL7A1	0.177	12.486
DR010020A10B02	MYB	0.482	5.043
DR010020A10C04	BAC_376-H17	0.129	17.667
DR010020A10C07	206-11	0.063	24.642
DR010020A10D06	EST12G9	0.023	26.129
DR010020A10E04	EST25D6	0.207	11.768
DR010020A20A05	BAC_382-G7	0.413	6.368
DR010020A20H07	DR010007A20G06*	0.123	18.319
DR010020B11G08	STS148L07	0.065	23.699
DR010020B11H05	HCVB72*	0.094	24.087
DR010020B11H06	REN65C02	0.068	22.703
DR010020B20A05	REN196N02	0.05	22.579
DR010020B20B01	VIASD10	0.197	11.04
DR010020B20B11	EST-CFZ97747	0.565	4.432
DR010020B20D12	BAC_373-M16	0.037	17.601
DR010020B20E04	FH2017	0.094	20.786
DR010020B20F03	EST13E1	0.122	20.721
DR010020B20G02	FH2060	0.226	13.688
DR010020B20G08	EST10C1	0.096	20.187

DR010020B20G11	AHTH211	0.227	15.344
DR010020B20H02	STS96B17	0.206	11.823
DR010021A10A04	EST13G8	0.043	25.384
DR010021A10C08	CPH7	0.065	23.699
DR010021A10F04	FH1003	0.254	12.572
DR010021A10G11	EST17G5*	0.048	14.011
DR010021A20A11	BAC_373-M6	0.028	22.388
DR010021A20B12	BAC_372-A23	0.387	7.46
DR010021A20D12	FH2773	0.06	25.269
DR010021A20F05	BAC_374-G11	0.173	11.051
DR010021A20G12	AHTH279	0.216	16.982
DR010021B10C03	FH3072	0.063	18.417
DR010021B10E03	REN91C04	0.731	1.371
DR010021B10F02	EST23G12	0.138	20.439
DR010021B20A05	EST11G6	0.077	24.463
DR010021B20D02	BAC_375-J3*	0.215	12.359
DR010021B20D08	EST8D8	0.216	14.351
DR010021B20E09	REN60B17*	0.034	19.157
DR010021B20F06	BAC_381-F4	0.138	16.452
DR010022A10A04	DTR18.7	0.087	22.057
DR010022A10C06	FH3972	0.024	25.28
DR010022A10C11	BAC_376-D7	0.137	16.532
DR010022A10H01	BAC_375-B7	0.03	21.2
DR010022A20A01	REN194D11*	0.357	8.783
DR010022A20B04	BAC_375-N17	0.07	26.769
DR010022A20B06	FH4041*	0.077	20.293
DR010022A20C04	FH3241	0.522	5.779
DR010022A20G11	IMPA1	0.028	21.852
DR010022B10A03	REN197E16	0.114	22.503
DR010022B10A09	FH2634	0.037	17.542
DR010022B10C09	DOPRH07	0.12	21.449
DR010022B10E06	REN136E14	0.046	24.188
DR010022B10F06	BAC_381-C6	0.198	14.942
DR010022B10F09	DR010017A10B06*	0.039	16.666
DR010022B10G11*	EST1C10*	0.122	18.72
DR010022B10H08	EST12E5	0.023	25.619
DR010022B20B03	EST6E6	0.189	12.989
DR010022B20C01	AHTH149	0.175	19.725
DR010022B20C05	FH2263	0.181	16.434

DR010022B20C10	BAC_373-O24*	0.177	16.832
DR010022B20E05	REN202B14	0.021	27.708
DR010022B20F08	FH4030	0.039	16.722
DR010022B20F09	REN126A23*	0.066	17.432
DR010022B20F11	BAC_381-G3	0.07	26.988
DR010022B20G01	EST16C5	0.047	23.592
DR010023A10B03	KLK2	0.106	15.103
DR010023A10B07	DOPRH07	0.116	22.089
DR010023A10B11	SLC6A6	0.144	17.259
DR010023A10D10	MMP9*	0.089	21.717
DR010023A10H01	BAC_380-B2*	0.045	15.027
DR010023A20B07	KLK2	0.112	14.339
DR010023A20C08	EST27A11	0.072	26.108
DR010023A20F09	BAC_372-A23	0.066	17.642
DR010023A20F11	EST13B3	0.122	18.622
DR010023A20H07	REN265J03	0.157	16.101
DR010023B10C06	REN289L09	0.138	14.068
DR010023B10D05	BAC_385-O3	0.054	21.082
DR010023B10D08	END5	0.023	26.377
DR010023B10H04	REN04I24	0.086	18.443
DR010023B10H05	F7	0.023	26.253
DR010023B10H12	BAC_375-O16	0.266	10.995
DR010023B20A07	LEI-2D2	0.217	11.108
DR010023B20B04	BAC_385-K1	0.173	11.009
DR010023B20C08	BAC_372-E3	0.324	10.615
DR010023B20D03	BAC_99-C20	0.437	5.997
DR010023B20D05	FH2017	0.152	16.725
DR010023B20E07	REN264O17	0.045	24.401
DR010023B20H09	EST5E10	0.086	18.278
DR010024A10C11	BAC_374-C13	0.077	20.388
DR010024A10E04	BAC_376-B15*	0.083	19.137
DR010024A10E05	BAC_381-P15*	0.093	12.897
DR010024A10F09	REN165M10	0.226	13.688
DR010024A10H02	REN185C11	0.109	10.925
DR010024A20D07	BAC_382-A13	0.226	13.688
DR010024A20E01	FH2318	0.122	18.522
DR010024A20F08	VIASD10	0.072	16.214
DR010024A20G01	FH2965	0.186	14.707
DR010024B10B12	STS63D22	0.055	20.624

DR010024B10C03	REN99G13	0.025	24.224
DR010024B10D07	BAC_385-H21	0.26	9.664
DR010024B10E11	STS38K22*	0.073	21.365
DR010024B10G11	REN256F13	0.2	13.502
DR010024B20A08	CPH1	0.58	4.073
DR010024B20B10	EST11G6	0.096	23.482
DR010024B20C02	C00304	0.21	10.205
DR010024B20F02	EST20A11	0.148	17.245
DR010024B20H03	EST28B4*	0.131	14.839
DR010025A10A04	EST18C6	0.093	17.085
DR010025A10C12	EST26F4	0.233	12.183
DR010025A21E10	AHTH279	0.176	19.491
DR010025B10A01	D04813	0.144	17.646
DR010025B10A10	BAC_375-M7	0.314	7.358
DR010025B10C05	BAC_375-N17	0.091	24.374
DR010025B20D01	REN94K23	0.116	19.479
DR010025B20E03	FH2748	0.058	19.671
DR010026A10B12	FUCA1	0.162	11.879
DR010026A10D11	BAC_375-E23	0.152	16.725
DR010026A10E10	AHTH282REN	0.2	15.824
DR010026A10H01	BAC_375-G16	0.37	7.473
DR010026A20B10	AHTH279	0.226	17.177
DR010026A20D12	EST23G9	0.216	14.351
DR010026A20F07	EST5E10	0.483	5.158
DR010026B10A03	REN196N02	0.129	17.577
DR010026B10B04	FH2239	0.135	18.794
DR010026B10D10	UOX	0.082	8.678
DR010026B10E09	EST-CFZ97821	0.069	16.976
DR010026B10F01	BAC_376-L23	0.141	20.087
DR010026B10F12	EST10C1	0.224	12.756
DR010026B10G01	FUCA1	0.081	14.651
DR010026B20A01	FH3608*	0.192	14.226
DR010026B20B12	EST5B8	0.072	16.214
DR010026B20C11	BAC_373-A18	0.096	16.548
DR010026B20E09	EST23C6	0.116	19.589
DR010026B20E12	FH2158	0.145	13.335
DR010026B20F03	DOPRH07	0.2	17.044
DR010026B20H02	REN249D14	0.076	15.478
DR010027A10B01	BAC_375-O8	0.036	29.7

DR010027A10B03	AHTK32	0.423	7.854
DR010027A10D07	EST3C10*	0.262	7.693
DR010027A10F11	EST19D1	0.058	19.589
DR010027A20A09	AHTH17REN	0.049	22.178
DR010027A20B03	DOPRH07	0.081	23.787
DR010027A20E02	AHTH282REN	0.087	22.189
DR010027A20E04	REN258K13	0.407	7.168
DR010027A20E12	BAC_376-O1*	0.068	22.703
DR010027A20F08	FH2508	0.06	25.016
DR010027A20G12	BAC_382-O3	0.068	22.822
DR010027B10B05	C00304	0.045	14.933
DR010027B10C06	EST14F9	0.112	14.339
DR010027B10C10	BAC_381-J15	0.096	20.291
DR010027B10C11	FH3053*	0.148	15.241
DR010027B10D08	BAC_373-O2	0.052	13.127
DR010027B10E05	BAC_373-E9	0.051	21.631
DR010027B10F03	AHTH216REN	0.08	23.797
DR010027B20A09	BAC_99-C20	0.182	13.62
DR010027B20B07	REN228J19	0.073	21.469
DR010027B20C09	FH3364	0.341	8.449
DR010027B20F11	REN206A12	0.168	17.792
DR010027B20G03	CUBN	0.056	20.298
DR010027B20H03	STS173M16	0.116	19.589
DR010028A10B04	EST10D4*	0.401	7.083
DR010028A10B06	REN04I24	0.06	19.02
DR010028A10D08	NPPA	0.116	16.899
DR010028A10E07	C06605	0.126	12.722
DR010028A10F03	BAC_372-M20	0.044	25.094
DR010028A10F04	FH2346	0.053	21.483
DR010028A10F12	BAC_374-O5*	0.073	16.094
DR010028A10G09	MYL2	0.108	18.029
DR010028A10H11	EST7C5	0.231	14.129
DR010028A20D03	BRCA2	0.068	22.703
DR010028A20D11	EST28E1*	0.118	13.546
DR010028A20H05	BAC_381-A8	0.078	20.198
DR010028B10A09	COS18	0.142	17.914
DR010028B10B04	BAC_381-M15	0.313	7.427
DR010028B10B06	BAC_381-G23	0.305	8.395
DR010028B10C02	AHTH183REN*	0.063	18.489

DR010028B10D01	REN292N24*	0.179	16.763
DR010028B10D05	174-2	0.172	16.068
DR010028B10D06	REN292N24*	0.071	21.979
DR010028B10E06	NF1	0.493	4.162
DR010028B10F03	BAC_381-H15*	0.037	17.601
DR010028B10F08	DTMT	0.313	7.393
DR010028B10G11	AHTH291REN	0.053	21.483
DR010028B20B10	CENPF	0.174	14.375
DR010028B20B12	FH3750	0.153	21.705
DR010028B20C07	DR010027A10E05*	0.111	23.008
DR010028B20D08	EST16H11	0.567	3.311
DR010028B20D09	BAC_372-M19	0.171	16.164
DR010028B20E07	EST20G11	0.324	12.295
DR010028B20F06	BAC_381-P18	0.065	23.57
DR010028B20F09	FH2289	0.056	20.47
DR010028B20G04	DR010005A10H02*	0.262	11.99
DR010028B20H07	CFOR26G07	0.187	14.544
DR010029A10A01	AHTH181REN	0.15	18.624
DR010029A10A07	REN128H16	0.273	12.424
DR010029A10C12	AHTH201REN*	0.11	10.89
DR010029A20A11	EST10C10	0.063	18.489
DR010029A20B06	REN04D18	0.219	16.611
DR010029A20D02	REN292N24*	0.162	17.303
DR010029A20D05	EST19G4	0.113	22.666
DR010029A20E01	ACE*	0.199	16.04
DR010029A20F11	BAC_381-J15	0.071	21.979
DR010029B10A06	STS38K22*	0.198	14.851
DR010029B10D06	EST11F6	0.023	25.895
DR010029B20C04	C13.391	0.106	23.929
DR010029B20D10	EST16E7*	0.414	8.633
DR010029B20E03	EST4B9	0.127	19.982
DR010029B20F10	REN122C19	0.122	18.72
DR010030A10A02	CYP1A1	0.433	5.255
DR010030A10B12	EST3D5	0.023	26.004
DR010030A10D11	EST7H5	0.074	21.154
DR010030A10D12	BAC_373-G23*	0.099	19.679
DR010030A10F11	EST16E7*	0.102	19.054
DR010030A10G12	C00304	0.157	9.979
DR010030A10H03	EST22B10*	0.076	20.536

DR010030A20C11	BAC_376-G15	0.129	17.487
DR010030A20E05	EST3C10*	0.071	9.941
DR010030A20E07	EST16F4	0.125	12.768
DR010030A20E10	EST7A8	0.115	19.462
DR010030A20G06	EST10C7	0.203	15.621
DR010030A20G12	DR010007A20G06*	0.046	23.827
DR010030A20H09	CUN50001	0.34	8.56
DR010030B10B01	EST22A4	0.031	20.599
DR010030B10B06	REN156G20	0.106	21.43
DR010030B10F02	EST28E1*	0.197	11.086
DR010030B20B02	FH3985	0.023	25.895
DR010030B20D12	C05.414	0.126	12.722
DR010030B20G08	EST16F4	0.037	17.601
DR010030B20G10	DR010025B10H01*	0.242	13.264
DR010030B20H04	CYP3A	0.127	20.112

B

EST	collapsed with
DP010004000C12	BAC_372_E19
DP020001000B11	BAC_375_K23
DP030002000A07	EST23C8
DP050001000D12	EST17A10
DR010001000F06	EST1G4
DR010004000B07	STS182H08
DR010004000G11	BAC_375_A18/REN78J02
DR010005A10C01	BAC_372_A8/BAC_372_O7/EST29C8
DR010005A10H02	PAX2
DR010006A20H05	C13_365
DR010007A20G06	FH1025
DR010007B20E09	C10_769
DR010009B20D09	BAC_372_O13/EST4G5
DR010010B20B02	AHT101/BAC_376_B9/EST11D3
DR010011A10H05	DR010017A10E01
DR010013B20C04	DUOX1/DUOX2
DR010015A20B02	REN195B08
DR010017A10B06	REN315G05
DR010020A10A07	EST17G5
DR010020A20A04	REN154C04
DR010022B10G11	DR010003000D01
DR010023A10E04	PGA
DR010023A20D08	EST8A11
DR010023A20F05	AHTH201REN/2HSF4_1_2_2
DR010025A10F01	BAC_372_E11/BAC_372_M17
DR010025A21C07	VASP
DR010025B10H01	REN64E19
DR010026B10C04	ACE
DR010026B20F12	EST22F10
DR010027B10D03	SLC8A1
DR010028A10B12	BAC_376_N13
DR010029A10G05	STS182B11
DR010029A20F08	BAC_374_O5/REN229P15
DR010030A10F08	FH3689