

Data Set S1																							
B. malayi pub locus	C. elegans max bitscore	B. malayi length/C. elegans length	human max bitscore	Total RNAi experiments	Pheno Bin larval/adult lethality/arrest	Pheno Bin embryonic lethality	Pheno Bin sterility	Pheno Bin morphology defect	Pheno Bin growth defect	Pheno Bin movement defect	Pheno Bin vulval/egg laying defect	Pheno Bin other	Pheno Bin WT	Pheno Bin unclassified	Stage expression count	L2	L3	L4	Adult	microfilariae	LR5_descrip/druggable_EC #	GRAVY hydropathicity	TOTAL_SCORE
Bm1_35120	1141.0	0.99	0.0	4	2	1	0	1	0	1	3	0	1	0	1	0	0	0	1	0	na	-0.19	275
Bm1_36170	1107.0	0.90	0.0	5	5	0	1	1	1	0	4	0	1	0	1	0	0	0	2	0	na	-0.29	248
Bm1_45135	98.6	0.74	0.0	1	1	0	0	1	0	1	0	0	0	0	1	0	1	0	0	0	na	-0.43	248
Bm1_35215	1123.0	0.98	75.9	5	3	1	0	0	0	3	0	0	1	0	0	0	0	0	0	0	na	0.19	179
Bm1_36850	132.0	1.04	0.0	1	0	0	1	1	0	0	0	0	0	0	1	0	0	0	1	0	na	-0.21	172
Bm1_22725	861.0	0.90	0.0	5	4	1	0	0	0	0	0	0	3	0	0	0	0	0	0	0	na	-0.32	172
Bm1_15245	197.0	0.96	58.9	1	1	1	0	0	0	0	0	0	0	0	3	0	1	1	1	0	na	-0.30	157
Bm1_43465	702.0	1.07	0.0	4	1	0	2	1	0	0	0	0	3	0	0	0	0	0	0	0	na	0.17	157
Bm1_38120	620.0	0.97	0.0	4	0	1	0	3	0	0	3	0	1	0	0	0	0	0	0	0	na	-0.26	154
Bm1_35395	697.0	0.93	0.0	3	0	0	0	2	2	0	0	0	1	0	0	0	0	0	0	0	na	0.17	151
Bm1_36765	666.0	1.10	0.0	4	0	1	0	0	0	1	0	0	3	0	0	0	0	0	0	0	na	-0.39	143
Bm1_25640	684.0	0.72	0.0	3	0	2	1	0	0	2	0	0	1	0	0	0	0	0	0	0	na	-0.52	141
Bm1_35480	394.0	1.24	0.0	3	0	0	1	3	0	0	3	0	1	0	0	0	0	0	0	0	na	-0.20	140
Bm1_49915	232.0	0.94	0.0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	na	-0.69	133
Bm1_45670	100.0	2.28	48.5	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	Integrins; alpha-chain	-0.70	125
Bm1_37495	489.0	0.84	0.0	4	0	4	0	3	0	0	2	1	1	0	0	0	0	0	0	0	na	-0.17	123
Bm1_46940	252.0	1.04	0.0	3	2	0	2	1	1	0	1	0	1	0	1	0	0	0	1	0	na	-0.50	119
Bm1_38110	481.0	0.95	0.0	4	0	0	1	2	0	0	2	0	2	0	0	0	0	0	0	0	na	-0.26	116
Bm1_32730	511.0	1.07	55.1	5	0	0	2	1	0	0	0	0	3	0	0	0	0	0	0	0	glycoprotein	-0.03	115
Bm1_42470	270.0	1.01	0.0	4	4	0	1	0	0	0	4	1	1	0	1	0	0	0	1	0	na	-0.50	114
Bm1_55705	166.0	0.66	0.0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	na	-0.37	112
Bm1_38105	516.0	1.11	0.0	6	0	0	0	2	0	0	0	0	4	0	1	0	0	1	0	0	na	-0.18	110
Bm1_38425	736.0	1.00	61.2	5	0	1	1	2	0	0	0	0	3	0	0	0	0	0	0	0	na	-0.21	108
Bm1_43740	478.0	0.90	0.0	3	0	0	0	2	2	0	0	0	1	0	0	0	0	0	0	0	na	0.18	107
Bm1_19285	808.0	0.90	47.4	6	0	0	0	0	0	0	0	2	4	0	0	0	0	0	0	0	na	-0.26	107
Bm1_51995	220.0	0.87	0.0	3	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	glycoprotein	0.13	106
Bm1_38160	442.0	1.00	0.0	4	2	0	0	0	0	0	0	1	2	0	3	0	4	0	2	2	na	0.05	105
Bm1_02135	109.0	0.39	0.0	1	1	0	0	0	0	0	0	0	1	0	2	0	1	0	2	0	na	-0.28	105

Bm1_03880	67.4	1.74	0.0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	na	-0.62	103	
Bm1_35075	450.0	1.01	0.0	5	0	1	0	2	0	0	1	0	3	0	0	0	0	0	0	na	-0.01	100	
Bm1_31660	382.0	1.01	0.0	5	6	0	0	0	0	1	0	0	0	0	0	0	0	0	0	na	0.13	99	
Bm1_02195	250.0	0.60	0.0	3	0	0	1	3	0	0	3	0	1	0	2	0	0	0	3	1	na	-0.14	98
Bm1_09270	315.0	0.96	0.0	4	0	1	2	2	2	1	0	0	2	0	2	0	1	0	0	1	na	-0.45	98
Bm1_50630	423.0	0.91	0.0	4	0	1	1	3	0	0	0	0	2	0	0	0	0	0	0	na	-0.32	97	
Bm1_08695	422.0	1.05	0.0	5	0	2	0	1	0	0	1	0	3	0	0	0	0	0	0	na	-0.36	96	
Bm1_39265	234.0	0.99	0.0	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	na	-0.38	96	
Bm1_34455	468.0	0.86	0.0	8	0	0	5	3	0	0	1	2	3	0	0	0	0	0	0	na	-0.42	91	
Bm1_08915	471.0	0.93	0.0	4	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	na	-0.32	88	
Bm1_16245	246.0	1.06	0.0	4	3	1	0	0	0	0	1	1	1	0	2	0	1	0	2	0	na	-0.87	84
Bm1_33575	238.0	0.92	0.0	4	1	1	0	0	0	0	5	0	1	0	0	0	0	0	0	na	0.22	82	
Bm1_39790	388.0	1.06	0.0	4	0	1	0	0	0	0	0	1	3	0	0	0	0	0	0	na	-0.24	82	
Bm1_33440	315.0	1.08	0.0	5	0	1	2	2	0	1	0	0	3	0	1	0	1	0	0	na	0.11	81	
Bm1_41495	286.0	1.14	0.0	8	8	1	0	0	2	2	0	0	3	0	1	0	0	0	1	0	na	-0.88	81
Bm1_55030	74.7	1.41	0.0	2	1	1	0	0	0	1	0	0	1	0	2	0	1	0	1	0	na	0.19	79
Bm1_07680	564.0	0.98	70.5	4	0	1	0	3	0	0	1	1	1	0	1	0	1	0	0	na	-0.29	79	
Bm1_30085	105.0	1.70	0.0	5	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0	Apoptosis regulator protein, BCL2-family BH domain	-0.18	77	
Bm1_56645	201.0	1.04	0.0	4	2	0	1	0	0	0	2	1	1	0	2	0	3	0	2	0	na	-0.62	77
Bm1_49050	110.0	1.08	0.0	4	0	2	1	5	0	0	3	0	1	0	1	0	0	0	2	0	na	0.70	75
Bm1_49335	358.0	0.98	0.0	5	0	0	0	2	0	0	0	0	3	0	0	0	0	0	0	na	-0.37	75	
Bm1_05470	250.0	0.96	0.0	4	3	0	0	0	0	1	0	0	1	0	1	0	0	0	2	0	na	0.19	74
Bm1_53115	116.0	0.26	0.0	2	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	TspO- and MBR-related proteins	0.00	74	
Bm1_41565	363.0	1.33	0.0	7	1	0	0	0	0	0	0	0	6	0	0	0	0	0	0	na	-0.27	74	
Bm1_56145	154.0	0.83	0.0	5	1	5	2	1	0	2	2	0	1	0	2	0	0	0	4	1	na	-0.55	73
Bm1_51960	313.0	1.05	0.0	8	0	0	5	3	0	0	1	2	3	0	0	0	0	0	0	na	-0.14	72	
Bm1_44220	72.8	0.78	0.0	3	2	0	1	2	0	0	1	0	1	0	3	0	1	0	1	1	na	-0.63	72
Bm1_05960	770.0	0.85	75.1	7	0	0	0	1	0	0	0	0	6	0	0	0	0	0	0	na	-0.14	71	
Bm1_24555	64.7	0.83	0.0	3	1	1	1	2	2	1	0	0	1	0	0	0	0	0	0	na	-0.44	71	
Bm1_16555	112.0	1.00	0.0	4	3	3	0	0	0	1	1	0	0	0	3	0	1	1	2	0	na	-0.84	71
Bm1_35415	191.0	0.98	0.0	2	1	0	0	0	0	0	0	1	1	0	2	0	4	0	3	0	na	-0.61	70
Bm1_52630	99.8	2.02	0.0	5	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	EC:3.1.1.3	-0.20	69	
Bm1_21610	276.0	1.00	0.0	6	0	0	0	0	1	1	1	0	5	0	1	0	0	0	1	0	na	-0.25	68
Bm1_45560	297.0	1.04	0.0	4	0	0	0	0	1	1	0	0	3	0	0	0	0	0	0	na	-0.46	68	
Bm1_14680	274.0	1.00	0.0	6	0	0	0	0	1	1	1	0	5	0	1	0	0	0	1	0	na	-0.22	67
Bm1_14330	62.0	1.31	0.0	4	2	2	0	0	0	3	2	0	0	0	4	1	2	0	2	1	na	-0.69	67
Bm1_47700	122.0	1.17	50.1	2	2	0	0	0	1	1	0	0	0	0	1	0	0	0	1	0	na	-0.01	67
Bm1_07635	113.0	1.03	0.0	3	3	0	0	0	0	1	1	0	0	0	0	0	0	0	0	na	0.75	67	
Bm1_53755	139.0	1.00	0.0	3	2	1	0	0	0	0	1	0	1	0	0	0	0	0	0	na	-0.52	67	
Bm1_45175	102.0	1.05	52.8	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	na	-0.10	67	
Bm1_37530	175.0	0.94	0.0	5	0	1	2	2	3	2	0	0	2	0	1	0	0	0	1	0	na	-0.58	66
Bm1_33125	149.0	0.28	0.0	3	0	1	1	0	0	0	3	0	0	0	1	0	0	0	1	0	na	-0.34	65

Bm1_21620	157.0	0.98	0.0	5	7	0	0	1	0	1	0	0	0	0	1	0	0	0	1	na	-0.25	65		
Bm1_18695	87.8	1.00	0.0	3	0	0	3	2	0	0	0	0	0	0	1	0	0	0	2	0	na	-0.78	65	
Bm1_38065	334.0	0.92	0.0	6	0	0	1	1	1	0	0	0	5	0	0	0	0	0	0	na	0.08	64		
Bm1_25750	332.0	0.99	0.0	3	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	na	0.06	64		
Bm1_51095	596.0	0.89	49.7	7	0	0	0	0	0	0	0	0	6	1	0	0	0	0	0	na	-0.02	64		
Bm1_51050	85.1	0.96	0.0	4	3	2	0	0	0	0	2	0	0	0	5	1	2	2	2	1	na	-0.22	64	
Bm1_44775	516.0	0.55	0.0	15	14	1	0	0	1	3	0	0	3	0	0	0	0	0	0	na	-0.30	64		
Bm1_32310	267.0	1.16	0.0	5	0	1	0	2	0	0	1	0	3	0	0	0	0	0	0	na	-0.10	63		
Bm1_13015	103.0	1.02	0.0	3	0	0	4	0	0	0	0	0	0	0	3	0	1	1	8	0	na	-0.64	63	
Bm1_44070	136.0	1.03	0.0	4	3	1	1	0	1	0	1	0	2	0	0	0	0	0	0	na	-0.52	63		
Bm1_46095	53.5	1.25	0.0	2	2	0	0	0	0	0	0	0	1	0	2	0	1	0	1	0	na	-0.40	63	
Bm1_08035	229.0	0.97	0.0	7	3	1	0	0	0	0	6	0	0	0	0	0	0	0	0	na	-0.17	63		
Bm1_56805	147.0	1.03	0.0	4	2	1	1	0	0	0	2	1	1	0	0	0	0	0	0	na	-0.24	62		
Bm1_48395	219.0	1.45	0.0	8	0	2	1	2	5	4	0	1	3	0	1	0	0	0	0	1	na	-0.73	62	
Bm1_53205	203.0	0.90	0.0	2	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	na	-0.55	62		
Bm1_41590	119.0	0.98	53.9	2	2	0	0	0	0	1	1	0	0	0	0	1	0	0	0	1	0	na	0.25	61
Bm1_21255	172.0	1.89	0.0	5	3	0	0	0	0	5	0	0	0	0	0	0	0	0	0	na	-0.39	61		
Bm1_05895	336.0	0.81	0.0	10	4	1	0	0	0	0	2	0	5	0	0	0	0	0	0	na	-1.05	60		
Bm1_42370	124.0	0.91	0.0	5	4	1	3	1	1	0	0	0	1	0	1	0	0	0	1	0	na	-0.16	60	
Bm1_55805	304.0	1.06	57.4	3	3	0	0	0	0	0	1	1	1	0	1	0	2	0	0	na	-0.22	59		
Bm1_03495	174.0	0.94	0.0	4	0	0	2	1	0	0	2	0	2	0	0	0	0	0	0	na	-0.29	58		
Bm1_10140	114.0	0.36	0.0	2	1	0	0	1	1	0	0	0	1	0	0	0	0	0	0	na	-0.56	58		
Bm1_21225	66.2	1.01	0.0	5	6	3	0	0	0	0	2	1	0	0	2	0	2	0	1	0	na	-0.26	58	
Bm1_33565	66.6	0.65	50.8	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	na	-0.26	57		
Bm1_55375	50.4	0.03	48.1	2	1	2	0	1	0	0	1	0	1	0	0	0	0	0	0	na	0.06	57		
Bm1_56035	260.0	1.03	0.0	9	0	0	0	0	0	5	0	0	4	0	0	0	0	0	0	na	-0.60	57		
Bm1_37760	412.0	0.95	48.9	6	0	2	0	0	0	1	3	2	0	2	0	0	0	0	0	na	-0.67	57		
Bm1_43170	304.0	0.96	0.0	5	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	na	0.59	55		
Bm1_37230	201.0	0.73	0.0	5	0	1	3	2	1	0	2	1	1	0	0	0	0	0	0	na	0.09	55		
Bm1_09225	157.0	1.09	58.9	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	na	-0.93	54		
Bm1_36315	169.0	1.08	0.0	6	6	1	0	0	0	0	1	1	1	0	0	0	0	0	0	na	-0.61	54		
Bm1_08450	47.0	0.34	0.0	3	0	1	1	0	0	0	3	0	0	0	0	0	0	0	0	na	-0.58	53		
Bm1_41500	181.0	1.67	0.0	8	8	1	0	0	2	2	0	0	3	0	0	0	0	0	0	na	-0.85	53		
Bm1_42535	220.0	0.79	0.0	6	7	0	0	0	0	0	0	0	1	0	0	0	0	0	0	na	-0.39	52		
Bm1_51010	182.0	1.04	0.0	5	2	2	0	0	0	0	1	0	1	0	0	0	0	0	0	na	-0.09	52		
Bm1_36555	147.0	1.02	0.0	5	0	0	4	1	0	0	0	0	3	0	3	0	5	1	5	0	na	-0.67	52	
Bm1_33065	256.0	1.12	0.0	7	0	0	0	0	0	0	0	1	6	0	0	0	0	0	0	na	-0.60	51		
Bm1_29610	109.0	1.05	0.0	2	1	0	0	0	0	0	0	0	1	0	3	0	1	0	2	1	na	-0.43	51	
Bm1_54230	83.6	1.15	69.3	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	na	-0.73	51		
Bm1_39200	62.4	0.83	0.0	3	0	0	0	1	1	2	1	0	1	0	0	0	0	0	0	na	-0.35	51		
Bm1_27205	234.0	0.55	0.0	3	1	0	0	0	1	0	1	1	2	0	0	0	0	0	0	na	0.03	51		
Bm1_05160	221.0	0.89	0.0	10	0	2	0	3	0	2	0	0	6	0	1	0	0	0	1	0	na	-1.45	51	
Bm1_55745	221.0	1.01	66.6	3	1	0	0	0	0	0	0	1	2	0	0	0	0	0	0	superfamily	0.01	50		

Bm1_39610	73.6	0.83	0.0	3	3	1	0	0	0	0	0	0	1	0	0	0	0	0	0	na	-0.66	50	
Bm1_11590	112.0	1.14	70.5	3	3	2	0	0	0	3	1	0	1	0	0	0	0	0	0	na	-0.68	49	
Bm1_22470	267.0	0.89	0.0	6	1	0	0	0	0	0	0	0	5	0	0	0	0	0	0	na	-0.23	49	
Bm1_52795	0.0	0.19	0.0	3	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	na	-0.78	49	
Bm1_23555	82.0	1.06	0.0	3	0	1	1	0	0	1	0	0	2	0	3	0	1	0	2	1	na	-0.35	49
Bm1_47145	110.0	1.11	0.0	3	0	0	3	0	0	0	0	0	1	0	0	0	0	0	0	na	-0.71	49	
Bm1_45220	166.0	0.97	0.0	7	1	1	0	0	0	0	3	0	4	0	1	0	0	0	1	0	na	-0.81	49
Bm1_32990	244.0	0.72	0.0	7	2	1	0	1	0	0	0	0	5	0	2	0	1	0	1	0	na	-1.64	48
Bm1_08735	167.0	1.05	0.0	5	0	2	0	1	0	0	0	0	3	0	1	0	0	0	1	0	na	-1.18	48
Bm1_52640	79.0	1.05	0.0	4	3	1	0	0	0	1	1	0	0	0	0	0	0	0	0	na	-0.55	48	
Bm1_16540	127.0	1.15	0.0	2	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	na	-1.01	48	
Bm1_20120	207.0	0.86	0.0	7	0	0	0	0	1	2	1	0	5	0	1	0	0	0	1	0	na	-0.10	48
Bm1_40975	114.0	1.03	0.0	6	7	0	0	1	0	0	0	0	1	0	2	0	0	0	1	1	na	-0.11	48
Bm1_41700	52.4	0.57	51.6	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Zinc finger in RANBP and others	-0.20	47	
Bm1_12550	0.0	0.28	0.0	3	3	1	0	0	0	1	0	0	1	0	0	0	0	0	0	na	-0.45	47	
Bm1_16780	161.0	0.93	0.0	5	0	2	1	2	0	0	2	0	3	0	0	0	0	0	0	na	0.60	47	
Bm1_14325	175.0	0.93	0.0	5	0	2	1	3	0	0	0	1	2	0	0	0	0	0	0	na	0.21	46	
Bm1_00815	193.0	0.93	0.0	6	0	0	0	0	2	0	0	0	4	0	2	0	1	0	3	0	na	-0.81	46
Bm1_01990	157.0	0.11	0.0	3	1	1	1	1	0	1	0	0	1	0	0	0	0	0	0	na	-0.86	46	
Bm1_25060	164.0	1.00	0.0	5	0	1	1	1	0	0	1	0	4	0	0	0	0	0	0	na	-0.64	45	
Bm1_51260	146.0	1.39	0.0	5	0	1	2	2	0	1	0	0	3	0	0	0	0	0	0	na	-0.03	45	
Bm1_46165	0.0	0.98	0.0	2	0	1	0	0	0	1	0	0	1	0	4	1	1	3	2	0	na	-1.79	45
Bm1_17930	765.0	0.31	56.2	3	1	1	1	1	0	1	0	0	1	0	0	0	0	0	0	na	-0.17	44	
Bm1_32875	452.0	0.84	47.0	5	0	2	0	0	0	0	0	0	3	0	0	0	0	0	0	na	-0.85	44	
Bm1_25645	104.0	0.06	0.0	3	0	2	1	0	0	2	0	0	1	0	0	0	0	0	0	na	-0.41	43	
Bm1_08745	0.0	0.62	0.0	3	1	0	0	0	0	3	0	0	1	0	2	0	1	0	2	0	na	-0.15	42
Bm1_09360	291.0	0.50	0.0	10	4	1	0	0	0	0	2	0	5	0	3	0	2	0	1	1	na	-1.34	42
Bm1_36270	208.0	0.32	56.2	2	0	1	0	0	0	0	0	1	1	0	2	0	1	0	3	0	TspO- and MBR-related proteins	0.18	42
Bm1_43045	0.0	0.44	0.0	3	0	0	4	1	0	0	0	0	1	0	0	0	0	0	0	na	-0.78	42	
Bm1_34840	149.0	1.04	0.0	22	3	0	13	5	0	0	10	1	12	0	3	0	6	2	3	0	na	-0.65	42
Bm1_23570	63.5	1.38	0.0	4	0	2	0	3	1	0	1	0	2	0	0	0	0	0	0	na	-0.75	42	
Bm1_36575	112.0	0.54	0.0	4	1	1	0	0	0	3	1	0	0	0	0	0	0	0	0	na	-0.05	42	
Bm1_26170	218.0	0.33	0.0	3	1	0	0	0	1	0	1	1	2	0	0	0	0	0	0	na	-0.24	41	
Bm1_28210	146.0	0.85	0.0	5	0	2	1	2	0	0	2	0	3	0	0	0	0	0	0	na	0.59	41	
Bm1_37610	191.0	0.95	0.0	4	0	0	0	0	0	1	0	0	3	0	0	0	0	0	0	na	-0.46	41	
Bm1_23080	116.0	1.08	43.9	4	3	1	1	0	1	1	2	1	0	0	3	0	2	0	2	1	na	-0.13	41
Bm1_42700	56.6	0.18	0.0	4	3	0	2	2	0	0	1	0	2	0	0	0	0	0	0	na	-0.05	41	
Bm1_28670	137.0	0.99	0.0	4	0	2	1	0	0	0	0	0	2	0	0	0	0	0	0	na	-0.79	41	
Bm1_24580	0.0	0.73	0.0	4	4	1	0	0	0	0	1	1	1	0	4	1	1	1	1	0	na	-0.64	41
Bm1_12855	59.7	1.39	0.0	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	na	-0.94	40	
Bm1_22670	256.0	0.77	0.0	4	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	na	-0.36	40	
Bm1_50710	182.0	0.68	0.0	3	0	0	0	0	0	1	0	0	2	0	1	0	0	0	1	0	na	-0.16	39
Bm1_18000	160.0	0.91	0.0	4	0	0	0	0	0	2	0	1	1	0	0	0	0	0	0	na	-0.34	39	

Bm1_51520	184.0	0.89	0.0	5	0	0	2	0	0	0	0	0	3	0	0	0	0	0	0	na	-0.66	39		
Bm1_24165	82.4	1.20	0.0	2	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	na	-0.86	39		
Bm1_27515	57.8	1.05	0.0	5	5	0	1	1	2	0	0	1	1	0	0	0	0	0	0	na	-0.19	38		
Bm1_08545	107.0	1.39	72.4	2	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	na	-0.72	38		
Bm1_02565	0.0	0.40	0.0	5	3	1	1	1	0	2	1	0	1	0	5	1	3	3	4	1	na	-0.12	38	
Bm1_04880	115.0	1.01	52.4	3	3	1	0	0	0	0	0	1	1	0	0	3	0	2	0	1	1	na	-0.46	38
Bm1_52140	202.0	0.94	0.0	12	1	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	na	-0.32	38	
Bm1_00490	61.6	0.22	0.0	5	3	0	1	2	3	2	0	1	1	0	1	0	0	0	0	1	na	-0.35	38	
Bm1_18060	194.0	0.74	0.0	3	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	na	-0.24	38	
Bm1_50825	178.0	0.94	0.0	5	0	0	0	2	0	0	0	0	3	0	1	0	1	0	0	0	na	0.37	38	
Bm1_37860	105.0	0.36	60.5	4	0	1	0	3	0	0	1	0	2	0	2	0	1	0	3	0	Aldo/keto reductase family		-0.28	38
Bm1_23385	212.0	0.50	0.0	4	1	1	0	0	0	0	1	0	2	0	0	0	0	0	0	0	na	-0.78	37	
Bm1_37570	420.0	0.81	70.9	3	1	1	0	0	0	1	0	0	2	0	0	0	0	0	0	0	na	-0.33	37	
Bm1_04665	278.0	0.34	0.0	6	2	2	1	1	1	0	1	0	3	0	1	0	2	0	0	0	na	-0.10	37	
Bm1_18340	112.0	0.42	0.0	3	0	2	1	0	0	0	0	0	1	0	1	0	0	2	0	0	na	-0.09	37	
Bm1_54115	96.7	0.99	0.0	6	0	3	0	0	0	1	1	1	2	0	1	0	0	0	1	0	na	-0.75	37	
Bm1_54490	192.0	0.98	0.0	4	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	na	-0.13	37	
Bm1_00215	0.0	2.19	0.0	3	3	0	0	0	0	0	0	0	1	0	2	0	1	0	1	0	na	-0.98	37	
Bm1_27330	180.0	1.09	47.0	5	1	2	1	0	0	1	4	0	2	0	2	1	0	0	1	0	na	-0.82	37	
Bm1_27330	180.0	1.09	47.0	5	1	2	1	0	0	1	4	0	2	0	2	1	0	0	1	0	na	-0.82	37	
Bm1_15680	131.0	1.02	0.0	4	1	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0	na	-0.72	37	
Bm1_27280	0.0	0.80	0.0	7	9	2	4	1	3	1	1	0	1	0	1	0	1	0	0	0	na	-0.37	37	
Bm1_55000	273.0	0.53	0.0	10	0	2	0	3	0	2	0	0	6	0	1	0	1	0	0	0	na	-1.11	37	
Bm1_43955	203.0	0.73	67.4	2	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	na	-0.05	37	
Bm1_08225	62.4	0.11	0.0	4	3	0	0	1	1	1	1	0	2	0	0	0	0	0	0	0	na	-0.44	36	
Bm1_13550	85.9	1.05	0.0	6	1	0	2	3	2	2	0	0	3	0	0	0	0	0	0	0	na	-0.38	36	
Bm1_43515	114.0	1.21	0.0	6	0	2	0	0	0	1	0	0	4	0	3	0	1	1	1	0	na	-0.47	36	
Bm1_25440	0.0	0.10	0.0	5	4	2	0	0	0	2	3	0	0	0	0	0	0	0	0	0	na	0.14	36	
Bm1_19985	90.5	1.00	0.0	6	0	0	4	1	0	0	0	0	4	0	3	0	2	1	2	0	na	-0.67	36	
Bm1_36335	0.0	1.75	0.0	4	0	0	1	2	0	0	2	0	2	0	5	1	3	2	2	1	na	-0.64	35	
Bm1_40905	575.0	0.19	0.0	5	2	1	0	0	0	0	1	0	3	0	0	0	0	0	0	0	na	-0.29	35	
Bm1_50900	146.0	1.56	0.0	6	0	0	0	0	1	1	1	0	5	0	0	0	0	0	0	0	na	-0.27	35	
Bm1_22525	154.0	0.94	0.0	4	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	na	-0.66	34	
Bm1_19065	167.0	0.65	0.0	4	1	0	0	0	0	0	0	0	3	0	2	0	1	0	1	0	na	-1.20	34	
Bm1_29140	92.0	0.93	0.0	3	1	0	0	0	0	0	0	0	2	0	1	0	0	0	1	0	na	-0.57	34	
Bm1_17810	112.0	1.00	63.5	3	3	1	0	0	0	1	2	0	0	0	0	0	0	0	0	0	na	0.88	34	
Bm1_56515	97.1	1.02	0.0	5	2	0	0	0	0	0	0	1	3	0	1	0	0	0	1	0	na	-0.81	34	
Bm1_09670	122.0	0.68	0.0	7	5	1	0	0	0	0	3	1	1	0	0	0	0	0	0	0	na	-1.04	34	
Bm1_46400	89.7	1.39	0.0	5	0	0	2	0	1	0	0	0	3	0	1	0	0	0	1	0	na	-0.97	33	
Bm1_55790	74.7	1.11	0.0	5	0	1	0	0	0	0	4	1	1	0	0	0	0	0	0	0	na	-0.18	33	
Bm1_13030	0.0	0.94	0.0	4	3	1	0	1	0	1	1	0	1	0	0	0	0	0	0	0	na	0.28	33	
Bm1_10505	116.0	1.02	0.0	9	0	0	4	2	0	0	3	1	4	0	0	0	0	0	0	0	na	-0.83	32	
Bm1_48195	129.0	0.90	0.0	5	0	1	0	2	0	0	1	0	3	0	0	0	0	0	0	0	na	0.10	32	

Bm1_31780	127.0	0.66	0.0	3	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	na	0.49	32	
Bm1_49770	183.0	1.03	60.8	2	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	na	-0.24	32	
Bm1_00720	144.0	1.38	0.0	7	0	2	0	0	0	0	0	0	5	0	0	0	0	0	0	na	-0.58	32	
Bm1_12400	57.0	1.25	0.0	4	0	2	1	0	0	0	1	0	2	0	0	0	0	0	0	na	-0.42	31	
Bm1_23180	106.0	1.13	0.0	8	4	1	0	0	0	0	2	1	2	0	0	0	0	0	0	na	-0.83	31	
Bm1_09610	134.0	0.72	0.0	10	0	2	0	3	0	2	0	0	6	0	4	0	4	2	3	1	na	-1.53	31
Bm1_16685	72.4	1.00	0.0	7	8	0	0	0	0	1	0	0	0	0	0	0	0	0	0	na	-0.73	31	
Bm1_52255	105.0	0.85	0.0	3	0	0	0	1	0	0	0	0	2	0	2	0	1	0	1	0	na	-0.24	31
Bm1_07780	52.4	0.73	0.0	2	0	1	0	0	0	0	0	0	1	0	2	0	2	0	2	0	na	-0.10	31
Bm1_45405	278.0	1.00	50.8	4	0	2	0	0	0	0	1	1	1	0	0	0	0	0	0	na	-0.99	31	
Bm1_41030	60.1	0.64	0.0	6	5	1	3	1	0	0	0	0	2	1	0	0	0	0	0	na	-0.84	30	
Bm1_52065	0.0	1.07	0.0	7	9	0	0	1	0	1	2	0	0	0	2	0	2	0	3	0	na	-0.85	30
Bm1_23010	141.0	1.06	47.8	3	2	1	0	0	0	0	1	1	1	0	0	0	0	0	0	na	-0.49	30	
Bm1_57645	72.0	0.54	0.0	3	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	na	-0.38	30	
Bm1_07925	88.6	0.75	0.0	4	0	1	0	0	0	0	2	0	2	0	0	0	0	0	0	na	-0.32	30	
Bm1_09975	166.0	0.70	0.0	4	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	na	-0.38	29	
Bm1_52560	93.6	0.36	0.0	2	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	na	-0.83	29	
Bm1_55970	265.0	0.41	0.0	15	14	1	0	0	1	3	0	0	3	0	0	0	0	0	0	na	-0.45	29	
Bm1_27240	0.0	0.09	0.0	5	5	0	0	1	2	2	0	0	0	0	0	0	0	0	0	na	-0.06	29	
Bm1_14115	92.0	0.98	0.0	4	0	0	0	2	1	0	0	0	2	0	0	0	0	0	0	na	-0.58	29	
Bm1_04775	87.8	0.34	0.0	4	0	1	0	0	0	1	2	1	0	0	0	0	0	0	0	na	-0.49	29	
Bm1_47280	79.7	0.53	0.0	3	1	0	1	0	0	0	0	1	2	0	0	0	0	0	0	na	-0.88	29	
Bm1_05925	185.0	0.15	0.0	6	0	2	0	2	0	2	4	0	1	0	0	0	0	0	0	na	-0.58	28	
Bm1_49935	127.0	1.29	70.9	4	1	0	0	0	0	0	0	0	3	0	2	0	1	0	0	1	Zinc finger in RANBP and others	-1.08	28
Bm1_21655	60.5	1.05	0.0	6	1	1	0	0	0	0	4	1	2	0	0	0	0	0	0	na	-0.74	28	
Bm1_19420	46.2	0.39	0.0	6	5	1	0	0	0	0	1	0	2	0	1	0	0	0	1	0	na	-1.90	28
Bm1_07450	0.0	4.69	0.0	3	1	0	0	1	0	0	1	0	2	0	0	0	0	0	0	na	-0.64	28	
Bm1_54105	57.4	0.86	0.0	5	3	0	0	0	0	2	0	0	2	0	0	0	0	0	0	na	-0.53	27	
Bm1_12525	313.0	0.16	0.0	5	4	1	0	0	0	0	0	0	3	0	0	0	0	0	0	na	-0.33	27	
Bm1_13915	150.0	0.73	0.0	4	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	na	-0.28	27	
Bm1_39000	55.1	0.85	0.0	5	0	2	0	0	0	1	1	0	4	0	2	0	1	3	0	na	-0.28	27	
Bm1_54705	79.0	1.04	0.0	8	0	1	2	0	0	0	0	0	5	0	3	0	7	2	2	0	na	-0.93	26
Bm1_05210	0.0	0.08	0.0	4	0	1	3	1	1	0	0	0	1	0	0	0	0	0	0	na	-1.80	26	
Bm1_56880	0.0	0.74	0.0	4	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	na	0.24	26	
Bm1_17365	234.0	0.19	0.0	5	4	1	0	0	0	0	0	0	3	0	0	0	0	0	0	na	-0.50	26	
Bm1_40345	84.7	1.09	0.0	6	1	0	0	0	0	0	0	0	5	0	1	0	0	0	1	0	na	-0.33	26
Bm1_52595	132.0	1.31	0.0	6	0	1	0	0	0	0	0	0	5	0	0	0	0	0	0	na	0.06	26	
Bm1_38270	311.0	0.83	48.9	3	0	0	0	0	0	1	0	1	2	0	1	0	1	0	0	na	-1.12	26	
Bm1_06665	304.0	1.05	50.8	6	1	0	0	0	0	0	0	0	5	0	1	0	0	0	1	0	na	0.40	26
Bm1_39335	145.0	1.30	0.0	7	0	0	0	0	0	0	0	2	5	0	0	0	0	0	0	na	0.42	25	
Bm1_41530	96.3	0.68	0.0	6	0	0	4	2	0	0	0	0	4	0	0	0	0	0	0	na	-0.54	25	
Bm1_00640	0.0	0.28	0.0	6	3	2	2	0	0	3	1	0	1	0	0	0	0	0	0	na	-0.74	25	
Bm1_06810	154.0	1.05	48.5	4	0	1	3	1	1	0	0	0	1	0	1	0	0	0	1	0	na	-0.65	25

Bm1_18685	222.0	0.96	49.3	7	4	0	1	0	0	0	3	0	2	0	3	0	1	0	3	1	na	-0.37	25
Bm1_49180	97.8	1.03	0.0	2	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	0	na	-0.90	25
Bm1_19740	126.0	0.20	0.0	3	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	na	-0.52	25
Bm1_45285	68.6	0.92	0.0	5	0	2	0	0	0	0	0	0	3	0	2	0	1	0	1	0	na	-0.37	25
Bm1_53210	0.0	0.52	0.0	2	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	na	-0.92	25
Bm1_37315	64.3	1.00	0.0	4	0	0	0	0	0	1	0	0	3	0	1	0	0	0	1	0	na	-0.82	25
Bm1_07795	95.9	0.91	0.0	6	2	0	0	0	0	1	0	0	4	0	0	0	0	0	0	0	na	-0.44	25
Bm1_11840	54.3	1.79	0.0	4	0	0	0	0	0	0	1	0	3	0	2	0	0	0	2	3	na	-0.66	24
Bm1_21815	97.8	0.86	0.0	6	0	1	0	0	0	0	2	1	3	0	0	0	0	0	0	0	na	-0.29	24
Bm1_32260	94.7	1.99	0.0	7	0	1	1	1	0	0	0	4	2	0	0	0	0	0	0	0	na	-0.99	24
Bm1_04070	47.8	0.14	0.0	2	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	na	-1.01	24
Bm1_50790	0.0	0.69	0.0	7	7	0	0	0	0	1	1	1	0	0	2	0	0	0	1	1	na	-0.42	24
Bm1_22765	79.0	0.30	0.0	3	1	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	na	-0.65	24
Bm1_22905	112.0	0.97	0.0	4	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	na	0.36	24
Bm1_38370	139.0	0.85	0.0	7	0	0	0	0	0	0	0	0	6	1	0	0	0	0	0	0	na	-0.90	24
Bm1_15075	97.4	0.87	0.0	6	0	0	0	0	1	1	1	0	5	0	0	0	0	0	0	0	na	-0.42	23
Bm1_14650	87.8	0.86	0.0	7	0	0	1	0	0	4	0	0	4	0	0	0	0	0	0	0	na	-0.45	23
Bm1_55755	85.9	1.40	0.0	21	0	0	0	0	0	0	0	1	20	0	1	0	0	0	2	0	na	-0.20	23
Bm1_55755	85.9	1.40	0.0	22	0	0	0	0	0	0	0	1	21	0	1	0	0	0	2	0	na	-0.20	23
Bm1_53230	56.2	0.93	0.0	5	0	2	0	0	0	0	0	0	3	0	3	0	1	0	1	1	na	-0.92	23
Bm1_53630	0.0	0.54	0.0	5	0	1	1	2	0	0	3	0	2	0	0	0	0	0	0	0	na	-0.66	23
Bm1_09930	0.0	0.06	0.0	2	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	na	-0.51	23
Bm1_23380	100.0	0.31	0.0	4	1	1	0	0	0	0	1	0	2	0	0	0	0	0	0	0	na	-0.50	22
Bm1_15990	225.0	1.00	68.9	4	2	1	2	0	0	0	1	1	1	0	0	0	0	0	0	0	na	-1.01	22
Bm1_09120	70.1	0.88	0.0	3	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	na	-0.75	22
Bm1_46225	108.0	1.06	0.0	7	0	1	0	0	0	0	0	0	6	0	0	0	0	0	0	0	na	-0.24	22
Bm1_21885	103.0	3.31	0.0	6	1	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	na	-0.20	22
Bm1_46355	94.0	0.79	0.0	10	7	0	0	0	1	1	0	0	4	0	0	0	0	0	0	0	na	-0.28	22
Bm1_28165	97.4	0.31	0.0	5	0	0	0	2	2	0	0	0	3	0	1	0	0	0	1	0	na	-0.49	22
Bm1_01765	70.1	1.00	0.0	8	0	0	0	0	0	0	0	3	5	0	5	1	2	1	2	1	na	0.16	22
Bm1_01505	0.0	0.28	0.0	3	2	0	0	0	0	0	0	0	2	0	3	0	1	1	2	0	na	0.67	22
Bm1_44095	81.6	0.84	0.0	3	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	na	0.05	22
Bm1_19440	108.0	0.96	54.7	4	2	1	2	0	0	1	1	1	1	0	1	0	0	0	1	0	na	-0.60	21
Bm1_34110	51.2	1.14	0.0	9	5	2	0	0	0	0	3	0	3	0	0	0	0	0	0	0	na	-0.51	21
Bm1_36295	119.0	0.55	0.0	7	1	0	0	0	0	0	1	1	5	0	1	0	0	0	0	1	na	-1.08	21
Bm1_06340	126.0	0.83	0.0	7	0	0	0	0	0	0	0	1	5	0	0	0	0	0	0	0	na	-0.54	21
Bm1_50365	56.2	1.14	0.0	5	1	0	0	0	0	1	0	0	4	0	1	0	1	0	0	0	na	-1.51	21
Bm1_41110	137.0	0.86	0.0	8	0	0	0	0	0	1	0	0	7	0	0	0	0	0	0	0	na	0.40	21
Bm1_53505	427.0	0.13	0.0	10	2	1	0	1	0	3	4	0	5	0	0	0	0	0	0	0	na	-0.90	21
Bm1_35045	73.2	1.06	0.0	3	0	0	0	0	0	0	0	1	2	0	1	0	0	0	1	0	na	0.06	20
Bm1_38610	234.0	3.91	55.8	3	0	0	0	0	0	0	1	0	3	0	2	0	1	0	1	0	na	-0.96	20
Bm1_13170	119.0	0.42	0.0	9	0	4	1	0	1	4	1	0	5	0	0	0	0	0	0	0	na	-0.35	20
Bm1_32180	126.0	0.81	0.0	7	0	2	0	0	0	0	0	0	5	0	0	0	0	0	0	0	na	0.27	20

Bm1_07440	0.0	0.06	0.0	2	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	na	-0.69	20
Bm1_26400	381.0	0.17	0.0	5	1	0	1	0	0	0	0	0	4	0	0	0	0	0	0	na	-0.69	20
Bm1_25025	78.6	0.84	0.0	9	7	0	0	0	0	0	0	0	3	0	0	0	0	0	0	na	-0.14	20
Bm1_43720	218.0	0.84	69.7	5	4	1	3	0	1	1	2	1	2	0	0	0	0	0	0	na	-0.11	20
Bm1_10260	0.0	0.10	0.0	5	1	1	0	0	1	1	2	0	1	0	0	0	0	0	0	na	-1.38	20
Bm1_37335	131.0	0.05	0.0	8	0	1	6	4	0	0	0	0	4	0	1	0	0	0	4	na	-0.18	20
Bm1_20495	68.2	1.00	0.0	5	0	2	0	0	0	0	0	0	3	0	0	0	0	0	0	na	-0.77	19
Bm1_33635	123.0	0.57	0.0	5	1	0	0	0	0	1	0	0	3	0	0	0	0	0	0	na	-0.10	19
Bm1_54575	101.0	0.06	0.0	4	0	0	0	2	0	0	1	0	2	0	1	0	0	0	0	na	-0.46	19
Bm1_03645	178.0	0.39	0.0	4	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	na	-0.27	19
Bm1_10215	0.0	0.11	0.0	9	11	1	3	0	0	1	1	0	1	0	0	0	0	0	0	na	-1.05	18
Bm1_00120	62.4	1.09	47.0	4	4	2	0	0	0	1	0	0	1	0	1	0	0	0	1	na	-0.94	18
Bm1_21210	102.0	0.45	0.0	5	0	1	0	2	0	0	1	0	3	0	0	0	0	0	0	na	0.15	18
Bm1_01060	0.0	0.87	0.0	5	1	2	0	2	0	0	0	0	3	0	1	0	0	0	0	na	-1.23	18
Bm1_45055	64.7	1.10	0.0	4	0	0	0	0	0	1	0	0	3	0	0	0	0	0	0	na	-0.53	18
Bm1_10475	48.9	1.08	0.0	7	1	0	0	0	0	1	0	1	5	0	1	0	0	0	0	na	-0.76	17
Bm1_46520	55.5	0.74	0.0	4	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0	na	0.03	17
Bm1_14055	91.7	0.52	0.0	5	0	1	0	0	0	2	0	0	4	0	0	0	0	0	0	na	-0.10	17
Bm1_22500	66.2	0.55	0.0	8	3	1	1	0	0	1	1	3	2	0	0	0	0	0	0	na	-0.59	17
Bm1_46015	84.7	0.99	0.0	8	2	0	0	0	0	0	0	0	5	0	0	0	0	0	0	na	0.11	17
Bm1_06310	47.0	0.71	0.0	5	1	0	0	1	0	0	1	0	4	0	0	0	0	0	0	na	-0.59	17
Bm1_18740	153.0	0.06	0.0	8	0	1	0	3	0	1	6	0	4	0	0	0	0	0	0	na	-0.71	16
Bm1_47930	373.0	0.08	0.0	14	4	1	6	5	2	2	5	0	6	0	0	0	0	0	0	na	-0.46	16
Bm1_05890	175.0	0.16	0.0	10	4	1	0	0	0	0	2	0	5	0	2	0	1	0	0	na	-1.05	16
Bm1_03770	0.0	0.41	0.0	4	0	0	1	2	1	0	0	1	1	0	0	0	0	0	0	na	-0.34	16
Bm1_25120	0.0	0.94	0.0	4	3	0	0	0	0	0	0	0	2	0	0	0	0	0	0	na	-0.15	16
Bm1_38875	0.0	1.00	0.0	6	1	1	0	1	2	3	0	0	2	0	0	0	0	0	0	na	-0.40	16
Bm1_13600	232.0	1.00	47.4	81	1	0	0	0	0	0	0	3	77	0	1	0	0	0	4	na	-0.67	15
Bm1_23015	102.0	0.83	57.4	4	3	2	1	2	0	0	1	0	1	0	0	0	0	0	0	na	-0.58	15
Bm1_13605	234.0	1.97	48.1	75	1	1	0	0	0	1	0	3	70	0	1	0	0	0	8	na	-0.69	15
Bm1_33105	0.0	0.79	0.0	9	0	2	1	0	0	2	4	5	1	0	1	0	0	0	1	na	0.00	15
Bm1_22560	0.0	0.01	0.0	5	0	0	2	2	2	0	0	0	2	0	0	0	0	0	0	na	-0.64	15
Bm1_10860	70.9	1.22	0.0	9	0	1	0	0	0	0	0	0	8	0	0	0	0	0	0	na	-0.42	15
Bm1_22820	69.3	1.01	0.0	7	1	0	0	0	0	0	0	0	5	1	1	1	0	0	0	na	0.02	15
Bm1_46970	124.0	0.82	0.0	7	0	0	0	0	0	0	0	1	6	0	0	0	0	0	0	na	0.80	15
Bm1_38880	105.0	1.02	53.5	6	6	4	2	0	0	1	0	0	2	0	2	0	0	1	3	na	-0.31	14
Bm1_46130	92.4	0.53	0.0	5	0	1	0	1	0	0	1	0	3	0	0	0	0	0	0	na	0.60	14
Bm1_42730	107.0	0.81	45.8	4	2	2	0	0	0	0	1	0	1	0	1	0	0	0	1	na	-0.43	14
Bm1_09160	76.3	0.66	0.0	6	0	2	0	0	0	0	0	0	4	0	0	0	0	0	0	na	-0.85	14
Bm1_29320	49.7	0.27	0.0	10	0	1	7	4	3	1	0	0	5	0	0	0	0	0	0	na	-0.62	14
Bm1_57650	181.0	1.00	64.3	3	0	0	0	1	4	0	0	0	1	0	0	0	0	0	0	na	-0.65	14
Bm1_56480	107.0	0.91	68.6	3	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	na	-0.67	14
Bm1_26235	124.0	0.42	0.0	6	1	0	0	0	0	0	0	0	5	0	0	0	0	0	0	na	-0.66	13

Bm1_55690	106.0	0.98	43.5	4	2	1	0	0	0	0	1	0	2	0	1	0	0	1	0	0	na	-0.57	13
Bm1_10660	67.0	0.56	0.0	4	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	na	-0.34	13
Bm1_41635	0.0	3.54	0.0	6	0	1	1	1	0	0	3	0	3	0	0	0	0	0	0	0	na	-0.10	13
Bm1_51715	119.0	0.92	54.3	4	3	1	0	0	0	1	1	0	1	0	1	0	1	0	0	0	na	-0.14	13
Bm1_40800	126.0	0.93	60.5	4	2	0	0	2	0	0	3	0	2	0	0	0	0	0	0	0	na	-0.51	13
Bm1_50395	0.0	1.56	0.0	4	1	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	na	-0.49	13
Bm1_53760	110.0	1.15	58.2	4	2	1	1	0	0	1	1	0	1	0	2	0	2	1	0	0	na	-1.24	12
Bm1_28945	279.0	0.97	53.5	5	0	0	0	0	0	1	0	0	4	0	0	0	0	0	0	0	na	0.12	12
Bm1_50000	64.7	0.74	0.0	6	1	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	na	-0.44	12
Bm1_53515	132.0	0.09	0.0	10	2	1	0	1	0	3	4	0	5	0	0	0	0	0	0	0	na	-1.26	12
Bm1_33500	52.8	0.79	0.0	6	0	0	0	1	2	0	0	0	4	0	0	0	0	0	0	0	na	-0.21	12
Bm1_36265	67.4	1.83	57.0	6	3	3	0	3	0	2	5	1	1	0	1	0	0	0	1	0	na	-0.75	12
Bm1_29880	252.0	1.10	73.9	3	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	na	-0.28	12
Bm1_52720	97.8	0.43	46.2	5	4	3	1	0	0	2	1	0	2	0	1	0	0	0	0	1	na	-0.82	12
Bm1_21695	97.1	1.06	48.5	3	0	0	0	0	0	1	2	0	2	0	0	0	0	0	0	0	na	-0.61	12
Bm1_23935	65.5	1.00	0.0	7	0	0	0	0	0	0	0	3	4	0	0	0	0	0	0	0	na	0.01	12
Bm1_06925	121.0	0.21	0.0	5	1	0	1	0	0	0	0	0	4	0	0	0	0	0	0	0	na	-0.33	12
Bm1_07615	79.0	1.80	56.6	2	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	na	-0.11	12
Bm1_46775	72.0	0.25	0.0	3	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	na	0.00	12
Bm1_29000	0.0	1.10	0.0	4	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	na	-0.89	11
Bm1_27615	55.1	0.65	46.6	4	0	0	2	0	3	3	0	0	1	0	1	0	0	0	1	0	na	-0.71	11
Bm1_32720	50.4	1.40	0.0	3	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	na	-0.68	11
Bm1_07485	0.0	0.25	0.0	12	7	3	4	2	1	2	1	1	5	0	0	0	0	0	0	0	na	-1.00	11
Bm1_26745	75.5	0.85	0.0	7	0	0	0	0	0	0	0	1	6	0	0	0	0	0	0	0	na	0.01	11
Bm1_18115	62.8	0.65	0.0	5	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	na	-0.22	11
Bm1_00910	228.0	0.87	48.5	4	0	0	0	0	0	2	0	1	1	0	0	0	0	0	0	0	na	-0.30	11
Bm1_43075	71.2	0.57	0.0	6	1	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	na	-1.04	11
Bm1_02140	213.0	0.04	0.0	10	2	1	0	1	0	3	4	0	5	0	0	0	0	0	0	0	na	-0.28	11
Bm1_53390	60.8	0.19	0.0	3	0	1	0	0	0	0	0	1	2	0	0	0	0	0	0	0	na	-0.21	10
Bm1_52605	81.3	0.55	0.0	7	1	0	0	0	0	1	0	0	6	0	0	0	0	0	0	0	na	0.05	10
Bm1_05820	0.0	0.10	0.0	3	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	na	-0.77	10
Bm1_54895	82.4	0.37	0.0	4	0	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0	na	-0.17	10
Bm1_37705	86.3	0.86	59.3	4	3	1	0	1	0	1	2	0	2	0	0	0	0	0	0	0	na	-0.60	10
Bm1_16040	53.1	0.30	0.0	7	1	0	0	0	0	0	0	0	6	0	3	0	2	1	1	0	na	0.05	10
Bm1_02065	112.0	0.34	0.0	14	1	1	0	2	2	0	0	0	11	0	0	0	0	0	0	0	na	-0.66	9
Bm1_41775	73.9	1.16	55.5	5	2	1	0	1	0	1	4	1	2	1	1	0	0	0	1	0	na	-0.73	9
Bm1_19380	45.8	1.19	0.0	13	0	0	0	0	0	0	0	0	12	1	0	0	0	0	0	0	na	-0.59	9
Bm1_56530	241.0	0.77	68.6	6	4	0	1	0	1	1	4	0	1	0	0	0	0	0	0	0	na	-0.44	9
Bm1_30695	120.0	0.96	53.5	2	1	0	0	0	0	0	0	0	2	0	1	0	0	0	2	0	na	-0.26	9
Bm1_32280	99.4	0.18	0.0	5	0	1	0	2	0	0	0	0	3	0	0	0	0	0	0	0	na	0.10	9
Bm1_24615	233.0	1.05	71.2	8	3	2	0	0	0	3	1	1	2	0	3	0	2	0	1	1	na	-0.52	9
Bm1_09195	97.4	0.11	47.8	3	2	0	0	2	0	0	1	0	1	0	0	0	0	0	0	0	na	-0.96	8
Bm1_42645	84.0	0.21	0.0	4	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	na	-0.07	8

Bm1_01030	49.3	0.46	0.0	5	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0	na	-0.38	8	
Bm1_50115	95.9	0.95	67.4	5	5	2	1	3	0	2	1	2	1	0	0	0	0	0	0	na	-0.07	8	
Bm1_26495	0.0	0.08	0.0	3	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	na	0.13	7	
Bm1_46050	50.1	0.55	0.0	11	0	1	0	1	0	1	0	0	9	0	0	0	0	0	0	na	-0.56	7	
Bm1_01100	0.0	2.14	0.0	10	2	4	2	0	0	0	1	0	4	0	0	0	0	0	0	na	-0.44	7	
Bm1_27360	100.0	0.20	0.0	4	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	na	0.08	7	
Bm1_35060	136.0	1.07	48.1	3	1	0	0	0	0	0	0	1	2	0	2	0	2	0	1	0	na	-1.31	7
Bm1_10425	0.0	0.03	0.0	5	0	0	0	0	1	2	0	0	3	0	0	0	0	0	0	na	-0.06	7	
Bm1_44890	307.0	0.75	58.9	3	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	na	0.09	6	
Bm1_42145	70.5	0.44	0.0	14	0	0	0	0	0	0	0	0	11	3	0	0	0	0	0	na	-0.43	6	
Bm1_06460	94.4	0.42	0.0	4	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	na	0.06	6	
Bm1_56405	0.0	1.23	0.0	5	1	1	0	0	0	0	0	0	3	0	0	0	0	0	0	na	-0.32	6	
Bm1_23670	67.8	0.18	0.0	7	0	1	0	0	0	0	1	0	5	0	0	0	0	0	0	na	-1.04	6	
Bm1_34425	152.0	1.08	60.1	4	0	1	2	0	0	2	0	0	1	0	0	0	0	0	0	na	-0.24	6	
Bm1_08610	130.0	0.22	0.0	14	0	0	0	0	0	0	0	0	7	7	0	0	0	0	0	na	-1.02	6	
Bm1_05190	0.0	0.67	0.0	4	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	na	-0.57	6	
Bm1_13195	0.0	0.39	0.0	4	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	na	-1.50	6	
Bm1_18845	149.0	0.89	63.2	6	6	1	0	0	0	0	2	0	2	0	1	0	0	0	3	0	na	-0.57	6
Bm1_19290	0.0	0.27	0.0	10	0	0	0	0	0	0	1	0	10	0	1	0	0	0	0	1	na	-0.67	5
Bm1_01955	0.0	0.15	0.0	9	7	0	3	1	0	1	1	0	1	0	0	0	0	0	0	na	1.39	5	
Bm1_17130	99.0	0.04	50.8	3	2	0	0	2	0	0	1	0	1	0	0	0	0	0	0	na	-1.09	5	
Bm1_09640	141.0	1.04	53.1	4	0	0	3	1	0	0	0	1	0	0	0	0	0	0	0	na	-0.59	4	
Bm1_57420	137.0	0.50	73.2	2	1	0	0	1	1	0	0	0	1	0	0	0	0	0	0	na	-0.26	4	
Bm1_09565	328.0	0.83	57.0	5	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	na	0.77	4	
Bm1_03010	71.2	0.38	0.0	8	0	0	0	0	0	0	0	1	6	0	0	0	0	0	0	na	-0.16	4	
Bm1_10315	50.8	0.13	0.0	6	1	1	0	0	0	0	0	0	5	0	0	0	0	0	0	na	-0.09	4	
Bm1_35660	130.0	1.17	65.9	5	5	1	1	0	0	0	1	0	1	0	2	0	1	0	1	0	na	0.44	4
Bm1_21040	62.8	0.28	0.0	10	0	0	0	0	0	0	0	4	6	0	0	0	0	0	0	na	-0.95	4	
Bm1_06045	0.0	0.23	0.0	8	1	0	0	1	0	0	1	0	7	0	0	0	0	0	0	na	-0.64	4	
Bm1_49240	0.0	0.13	0.0	5	0	2	0	0	0	0	0	1	3	0	0	0	0	0	0	na	0.12	3	
Bm1_28060	200.0	1.05	63.2	4	0	0	0	0	0	0	2	2	2	0	0	0	0	0	0	na	-0.66	3	
Bm1_13520	152.0	1.32	48.9	9	4	1	0	0	0	0	2	0	4	0	1	0	0	0	0	1	na	-0.60	3
Bm1_20745	102.0	0.24	72.0	4	0	0	0	0	0	0	1	1	3	0	0	0	0	0	0	EC:3.5.4.4	-0.17	3	
Bm1_39165	96.7	0.17	66.6	4	0	0	3	2	0	1	4	0	1	0	0	0	0	0	0	na	-0.42	2	
Bm1_16530	200.0	0.68	58.2	5	0	2	1	2	0	0	2	0	3	0	0	0	0	0	0	na	-0.79	2	
Bm1_43570	157.0	0.90	63.9	6	7	1	1	1	2	0	0	1	0	0	0	0	0	0	0	na	-0.05	2	
Bm1_24565	0.0	1.44	0.0	6	1	0	0	0	0	0	0	0	5	0	0	0	0	0	0	na	-0.26	2	
Bm1_15165	0.0	0.19	0.0	8	2	0	0	0	0	1	0	0	5	0	0	0	0	0	0	na	0.09	2	
Bm1_29960	268.0	0.98	65.5	10	0	0	2	0	0	0	0	1	7	0	0	0	0	0	0	na	-0.40	2	
Bm1_52385	156.0	0.90	58.2	2	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	na	-0.89	1	
Bm1_42980	169.0	0.99	47.4	4	0	0	0	0	0	0	0	1	3	0	2	0	2	1	0	na	-0.43	1	
Bm1_08025	0.0	0.41	0.0	5	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0	na	0.08	1	
Bm1_03155	0.0	0.13	0.0	17	2	0	0	1	0	0	1	0	15	0	0	0	0	0	0	na	-0.62	1	

Bm1_06290	0.0	0.63	0.0	9	1	0	0	0	0	0	0	0	8	0	0	0	0	0	0	na	-0.39	1	
Bm1_14965	130.0	1.02	73.6	4	1	0	0	1	0	0	4	1	1	0	0	0	0	0	0	na	-0.13	1	
Bm1_00705	0.0	0.25	0.0	9	0	0	0	1	0	0	0	0	8	0	0	0	0	0	0	na	-1.16	1	
Bm1_06655	0.0	0.81	0.0	4	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	na	-1.12	1	
Bm1_19425	0.0	0.17	0.0	4	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	na	-1.84	1	
Bm1_36080	84.7	0.98	60.1	6	8	1	2	1	0	0	0	0	0	0	2	0	2	0	1	na	-0.75	1	
Bm1_02410	0.0	0.13	0.0	6	0	0	0	0	0	0	0	2	4	0	0	0	0	0	0	na	-0.34	0	
Bm1_13005	0.0	0.15	0.0	7	0	0	0	0	0	0	0	1	6	0	0	0	0	0	0	na	-1.19	0	
Bm1_43725	109.0	0.31	67.4	5	4	1	3	0	1	1	2	1	2	0	1	0	0	0	1	0	na	-0.39	0
Bm1_31870	146.0	0.99	68.2	7	4	1	2	2	1	1	1	0	5	0	1	0	0	0	2	0	na	-0.35	0
Bm1_08175	87.8	0.78	50.4	5	6	0	0	0	1	1	0	0	0	0	0	0	0	0	0	na	-0.72	0	
Bm1_00430	0.0	1.00	0.0	10	0	0	0	0	0	0	0	0	7	3	0	0	0	0	0	na	-2.88	0	
Bm1_28625	203.0	1.03	66.6	7	0	2	1	1	0	0	0	0	4	0	1	0	0	0	1	0	na	-0.39	0
Bm1_28315	122.0	0.93	57.4	5	0	1	2	2	2	1	0	0	3	0	1	0	1	0	0	na	-0.15	0	
Bm1_32025	44.3	0.28	0.0	6	0	0	0	0	0	0	0	2	4	0	0	0	0	0	0	na	0.28	0	
Bm1_03765	0.0	0.11	0.0	4	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	na	-0.19	0	
Bm1_51735	144.0	1.40	46.6	3	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	na	-0.93	-1	
Bm1_13150	72.8	0.47	55.5	3	2	0	1	1	0	0	0	1	1	0	0	0	0	0	0	na	-0.50	-1	
Bm1_27705	215.0	1.02	63.9	12	0	0	0	0	0	0	0	0	6	6	3	0	1	0	1	1	na	-0.60	-1
Bm1_34300	118.0	0.73	48.1	5	0	0	5	1	1	0	0	0	1	0	0	0	0	0	0	na	-0.29	-2	
Bm1_22990	231.0	0.78	61.6	7	3	1	0	1	1	1	0	1	1	0	0	0	0	0	0	na	-0.45	-2	
Bm1_25910	215.0	0.91	67.0	9	4	1	0	3	0	0	4	0	1	1	0	0	0	0	0	na	-0.61	-2	
Bm1_25810	57.4	0.30	43.5	3	0	0	0	1	4	0	0	0	1	0	0	0	0	0	0	na	-0.71	-2	
Bm1_33765	111.0	0.92	66.2	6	3	2	2	0	2	2	0	0	3	0	1	0	0	0	1	0	na	-0.61	-3
Bm1_34145	63.9	0.99	55.8	3	2	0	0	0	0	0	1	1	2	0	0	0	0	0	0	na	0.24	-3	
Bm1_14240	204.0	0.89	59.7	5	0	0	0	0	1	2	0	0	3	0	0	0	0	0	0	na	-0.59	-3	
Bm1_19990	108.0	1.12	50.4	6	0	0	4	1	0	0	0	0	4	0	2	0	1	1	0	na	-0.66	-3	
Bm1_29435	170.0	0.56	53.5	3	0	1	1	0	0	1	0	0	2	0	0	0	0	0	0	na	0.59	-3	
Bm1_33020	128.0	0.78	46.6	3	0	0	1	0	0	0	0	0	2	0	1	0	0	0	1	0	na	0.00	-4
Bm1_04725	68.2	0.36	62.4	3	2	0	0	1	1	1	0	0	2	0	0	0	0	0	0	na	-0.61	-4	
Bm1_35390	114.0	1.30	74.3	5	5	1	2	0	1	1	0	0	0	0	0	0	0	0	0	na	-0.88	-4	
Bm1_39400	115.0	0.73	57.8	2	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	na	-0.68	-4	
Bm1_07190	78.2	0.86	71.6	2	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	na	0.21	-4	
Bm1_05435	159.0	0.70	50.8	9	1	3	3	5	3	0	3	1	4	0	0	0	0	0	0	na	0.06	-5	
Bm1_37515	0.0	0.34	0.0	5	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	na	0.63	-5	
Bm1_34195	280.0	0.37	61.2	5	0	2	1	3	0	0	0	0	2	0	1	0	0	0	1	0	na	-0.75	-5
Bm1_33855	154.0	1.93	73.6	5	1	3	0	0	0	0	1	0	2	0	2	0	1	0	1	0	na	-0.34	-5
Bm1_30505	174.0	0.61	53.1	4	0	2	0	0	0	2	0	0	2	0	0	0	0	0	0	na	0.18	-5	
Bm1_55395	53.5	0.42	45.1	5	5	2	0	0	1	1	0	1	1	0	0	0	0	0	0	na	0.26	-6	
Bm1_21970	79.3	0.98	47.0	6	0	0	2	3	2	3	0	0	3	0	0	0	0	0	0	na	0.10	-6	
Bm1_13050	56.2	0.27	48.1	4	1	2	1	0	0	2	0	0	2	0	0	0	0	0	0	na	-0.55	-6	
Bm1_03920	124.0	1.06	65.5	6	3	3	0	0	0	1	2	0	2	0	0	0	0	0	0	na	-0.47	-6	
Bm1_06785	97.1	1.08	57.4	3	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	na	-0.92	-7	

Bm1_22805	63.2	0.52	62.0	5	2	1	0	0	0	1	4	0	1	0	2	0	0	1	2	0	na	-0.41	-7
Bm1_02630	63.9	1.07	59.3	5	6	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	na	-0.82	-7
Bm1_17210	159.0	0.98	52.8	4	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	na	-0.08	-7
Bm1_29430	132.0	1.05	67.4	7	4	3	1	0	0	1	2	2	1	0	0	0	0	0	0	0	na	-0.59	-8
Bm1_10835	52.4	0.99	60.5	5	7	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	na	-0.21	-9
Bm1_31055	134.0	1.11	65.5	4	1	1	0	0	0	0	0	0	3	0	2	0	1	0	2	0	na	-1.26	-9
Bm1_44000	132.0	0.65	55.1	3	1	0	0	0	0	0	0	1	1	0	2	0	3	0	3	0	na	-1.10	-9
Bm1_41915	89.7	0.59	69.3	4	3	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0	na	-0.51	-9
Bm1_16675	87.0	1.10	61.6	5	1	0	0	0	0	0	4	0	1	0	1	0	1	0	0	0	na	-0.97	-9
Bm1_36460	101.0	1.07	56.6	7	1	1	1	1	0	0	1	3	2	0	4	0	1	1	1	1	na	-0.54	-9
Bm1_52475	82.8	0.76	64.3	5	2	2	3	2	1	0	0	0	2	0	0	0	0	0	0	0	na	-0.61	-10
Bm1_01075	0.0	1.00	0.0	3	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	na	3.75	-10
Bm1_07885	109.0	0.95	48.5	5	0	1	0	0	0	0	1	3	2	0	0	0	0	0	0	0	na	-0.79	-10
Bm1_40540	117.0	1.07	45.8	7	1	0	0	1	0	0	0	0	5	0	0	0	0	0	0	0	na	-0.66	-10
Bm1_42620	70.5	0.84	60.1	4	0	1	1	0	0	0	2	0	2	0	1	0	0	0	1	0	na	0.30	-11
Bm1_33770	53.9	0.88	48.1	7	0	1	0	0	1	0	4	1	1	0	2	0	0	1	2	0	na	-0.88	-11
Bm1_36075	55.1	1.01	45.8	5	4	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	na	-1.28	-11
Bm1_49670	115.0	1.03	66.6	5	0	1	2	0	1	1	1	0	2	0	0	0	0	0	0	0	na	-1.17	-12
Bm1_48075	87.4	0.90	64.7	4	0	1	1	0	1	1	1	0	2	0	0	0	0	0	0	0	na	-1.04	-12
Bm1_04435	73.2	0.09	55.8	5	4	0	1	1	0	0	3	0	2	0	0	0	0	0	0	0	na	-0.18	-12
Bm1_55635	101.0	0.78	65.9	3	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	na	-0.72	-12
Bm1_57435	86.7	0.11	65.1	5	2	0	3	2	2	0	3	0	1	0	0	0	0	0	0	0	na	-0.52	-13
Bm1_14750	89.4	2.35	57.4	5	0	2	0	0	0	0	0	0	3	0	5	1	2	2	3	1	na	-0.36	-13
Bm1_34560	55.5	0.98	49.3	4	0	2	0	0	0	0	0	0	2	0	3	0	1	0	2	1	na	-1.30	-13
Bm1_46380	88.2	1.00	52.0	4	0	1	1	0	0	1	0	0	3	0	0	0	0	0	0	0	na	0.30	-13
Bm1_46795	92.4	0.83	70.5	5	0	2	1	0	1	3	1	0	1	0	1	0	1	0	0	0	na	-1.10	-14
Bm1_46160	119.0	0.94	66.6	5	1	2	0	0	0	0	2	0	2	0	0	0	0	0	0	0	na	-0.63	-14
Bm1_49750	80.9	0.66	69.7	4	2	1	1	0	0	0	1	0	2	0	1	0	0	0	2	0	na	0.19	-14
Bm1_47525	147.0	0.52	70.1	3	0	2	0	0	0	0	1	0	2	0	0	0	0	0	0	0	na	-0.31	-15
Bm1_12585	96.3	1.04	44.7	8	0	0	0	0	0	1	0	0	7	0	0	0	0	0	0	0	na	-0.49	-15
Bm1_37955	169.0	0.94	70.5	3	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0	na	-0.22	-15
Bm1_18760	49.7	0.69	49.3	2	0	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	na	0.26	-15
Bm1_02155	169.0	0.31	59.7	4	0	1	1	2	0	0	0	0	2	0	2	0	1	0	1	0	na	0.03	-15
Bm1_01935	87.8	1.11	57.0	7	0	2	0	0	0	0	1	0	5	0	1	0	0	0	1	0	na	-0.43	-16
Bm1_03840	68.6	1.24	54.7	6	1	2	0	0	0	2	0	0	3	0	1	0	1	0	0	0	na	-1.19	-16
Bm1_37810	87.4	1.03	55.5	6	4	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	na	-0.98	-17
Bm1_16340	72.4	0.78	53.9	8	2	4	0	0	0	2	3	1	2	0	0	0	0	0	0	0	na	-0.86	-17
Bm1_27220	130.0	1.22	71.2	7	2	0	0	0	0	6	0	0	2	0	0	0	0	0	0	0	na	-0.64	-17
Bm1_14345	56.2	1.53	48.5	4	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	na	-0.48	-18
Bm1_48760	47.0	0.98	54.3	3	0	2	0	0	0	0	0	1	1	0	0	0	0	0	0	0	na	-0.50	-18
Bm1_37370	346.0	0.35	68.2	8	0	1	6	4	0	0	0	0	4	0	0	0	0	0	0	0	na	-0.73	-18
Bm1_02675	75.1	1.03	48.1	4	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	na	-0.43	-18
Bm1_02520	93.6	0.77	53.9	5	2	0	1	0	0	0	0	0	4	0	0	0	0	0	0	0	na	-1.35	-18

Bm1_56915	0.0	0.14	59.7	4	3	1	0	1	0	1	0	0	1	0	0	0	0	0	0	na	-0.28	-18	
Bm1_41180	100.0	1.05	60.5	12	2	2	0	0	1	1	5	0	5	0	1	0	1	0	0	na	-0.65	-19	
Bm1_10195	61.6	0.26	46.2	4	0	0	1	1	0	0	1	0	3	0	0	0	0	0	0	na	-0.34	-19	
Bm1_37250	70.9	0.26	67.8	3	2	0	0	0	0	0	1	0	1	0	0	0	0	0	0	na	-0.49	-19	
Bm1_41995	101.0	0.79	58.9	13	3	2	1	2	0	0	1	3	7	0	1	0	0	0	1	0	na	-1.92	-20
Bm1_44295	112.0	1.00	67.0	5	1	0	0	2	0	0	0	0	2	0	1	0	1	0	0	na	-0.79	-20	
Bm1_48330	0.0	0.29	46.2	3	1	0	0	0	0	0	0	0	2	0	1	0	0	0	1	0	na	-0.47	-20
Bm1_45185	109.0	0.67	69.3	9	1	2	0	0	1	3	6	0	2	0	4	0	1	1	3	1	na	-0.52	-20
Bm1_44035	69.7	0.87	61.6	4	1	0	0	1	0	0	0	0	3	0	1	0	0	0	1	0	na	-0.77	-21
Bm1_28490	102.0	0.86	55.1	4	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	na	-1.27	-21
Bm1_26345	128.0	0.82	55.8	5	0	1	0	0	0	0	0	1	4	0	0	0	0	0	0	0	na	-0.17	-22
Bm1_09495	135.0	1.12	72.0	3	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	na	-0.18	-22
Bm1_17305	51.6	0.16	45.8	8	1	2	1	2	0	1	3	3	2	0	0	0	0	0	0	0	na	-0.80	-22
Bm1_25285	149.0	0.63	51.2	7	0	0	0	0	0	0	0	0	6	1	0	0	0	0	0	0	na	-0.52	-22
Bm1_17120	102.0	1.21	57.8	5	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	na	-1.17	-22
Bm1_54140	62.0	0.31	46.2	10	1	4	2	4	0	0	3	1	4	0	0	0	0	0	0	0	na	-1.08	-22
Bm1_19655	125.0	1.03	72.4	5	1	1	0	0	0	0	1	0	3	0	0	0	0	0	0	0	na	-0.68	-23
Bm1_42395	99.0	0.86	51.6	8	0	1	0	0	0	0	0	1	7	0	0	0	0	0	0	0	na	-0.46	-23
Bm1_32145	131.0	0.55	72.4	5	0	0	5	1	1	0	0	0	1	0	0	0	0	0	0	0	na	-0.83	-23
Bm1_31210	56.6	1.75	67.0	6	4	1	0	1	0	0	2	0	3	0	0	0	0	0	0	0	na	-0.47	-23
Bm1_27030	69.3	0.02	53.9	11	3	2	9	4	1	3	7	0	3	0	0	0	0	0	0	0	na	-0.44	-23
Bm1_27570	144.0	0.09	55.5	9	11	1	3	0	0	1	1	0	1	0	0	0	0	0	0	0	na	-0.88	-23
Bm1_26605	134.0	1.06	65.5	6	1	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	na	-0.31	-24
Bm1_46495	159.0	0.37	57.0	4	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	na	-0.38	-24
Bm1_04785	98.2	0.88	52.8	5	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	na	-0.49	-25
Bm1_01560	118.0	0.62	49.3	4	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	na	-0.33	-25
Bm1_49645	62.8	0.89	58.9	3	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	na	-0.30	-25
Bm1_45665	97.4	0.69	65.5	5	2	0	1	0	0	0	1	0	4	0	0	0	0	0	0	0	na	-0.21	-25
Bm1_30230	84.3	1.12	61.6	5	1	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0	na	-0.88	-26
Bm1_45060	105.0	0.72	55.1	5	1	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	na	-0.36	-26
Bm1_15510	200.0	0.35	55.5	4	0	1	0	0	0	0	0	0	3	0	0	0	0	0	0	0	na	-0.36	-26
Bm1_05930	242.0	0.14	69.7	6	0	2	0	2	0	2	4	0	1	0	0	0	0	0	0	0	na	-0.69	-26
Bm1_47605	145.0	0.46	49.3	3	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	na	-0.10	-27
Bm1_00645	211.0	0.08	65.9	6	0	2	0	2	0	2	4	0	1	0	0	0	0	0	0	0	na	-0.46	-27
Bm1_43030	231.0	0.49	61.6	4	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	na	-0.20	-27
Bm1_56230	231.0	0.61	66.2	3	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	na	0.31	-27
Bm1_34260	47.0	1.10	53.1	4	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	na	-1.15	-27
Bm1_41220	80.5	0.77	56.2	5	0	1	0	0	1	0	0	0	4	0	0	0	0	0	0	0	na	-0.64	-28
Bm1_34445	91.7	1.05	68.6	7	0	1	0	0	0	0	0	1	5	0	2	0	1	0	2	0	na	-1.01	-28
Bm1_39315	94.7	0.80	61.6	11	4	2	0	0	0	1	1	0	5	0	0	0	0	0	0	0	na	-1.09	-28
Bm1_33410	57.8	0.98	52.4	3	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	na	-0.83	-29
Bm1_11825	264.0	0.28	65.9	5	1	0	1	0	0	0	1	1	2	0	0	0	0	0	0	0	na	0.16	-30
Bm1_15840	90.5	0.42	67.0	5	0	3	0	0	0	0	2	0	1	0	0	0	0	0	0	0	na	-1.56	-30

Bm1_13965	54.3	0.62	46.2	7	0	0	0	0	0	0	0	1	6	0	0	0	0	0	0	na	-1.00	-30	
Bm1_57145	166.0	0.08	53.1	10	2	1	0	1	0	3	4	0	5	0	0	0	0	0	0	na	-0.89	-30	
Bm1_17070	111.0	0.72	72.4	5	0	0	1	1	0	0	2	0	3	0	0	0	0	0	0	na	-0.04	-30	
Bm1_47600	233.0	0.39	61.6	3	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	na	-0.25	-31	
Bm1_19390	122.0	0.22	47.0	12	0	0	2	0	0	0	0	2	7	0	0	0	0	0	0	na	-0.32	-31	
Bm1_56290	188.0	0.25	74.3	9	11	1	3	0	0	1	1	0	1	0	0	0	0	0	0	na	-0.77	-32	
Bm1_11340	88.2	0.12	63.2	3	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	na	-0.54	-32	
Bm1_38435	134.0	0.18	55.5	12	0	0	0	0	0	0	0	0	11	1	1	0	0	0	1	0	na	-0.61	-32
Bm1_03370	57.4	0.37	54.3	4	1	0	0	0	0	0	0	0	3	0	1	1	0	0	0	na	-1.29	-33	
Bm1_28035	81.3	0.97	67.0	6	0	2	0	0	1	0	0	0	4	0	0	0	0	0	0	na	-1.85	-33	
Bm1_23370	133.0	0.86	70.1	13	0	2	2	0	1	0	0	0	7	4	0	0	0	0	0	na	-0.11	-33	
Bm1_47300	98.6	0.78	69.3	8	0	0	0	0	0	0	0	0	7	1	2	0	0	0	3	1	na	-0.47	-33
Bm1_06640	83.2	0.99	64.3	6	0	1	0	0	0	0	0	0	5	0	0	0	0	0	0	na	-0.94	-33	
Bm1_33205	143.0	0.59	62.8	12	0	0	0	0	0	0	0	0	9	3	0	0	0	0	0	na	-0.80	-33	
Bm1_27455	62.0	1.24	60.1	9	1	0	0	0	0	0	0	3	5	0	0	0	0	0	0	na	-0.59	-34	
Bm1_22440	89.4	0.70	70.1	3	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	na	-0.25	-34	
Bm1_52815	72.4	0.45	59.3	5	0	0	0	0	0	2	0	0	4	0	0	0	0	0	0	na	-0.24	-35	
Bm1_06130	171.0	0.04	52.4	23	0	9	0	0	0	0	4	0	14	0	1	0	2	0	0	na	-0.40	-36	
Bm1_06130	169.0	0.04	52.4	23	0	9	0	0	0	0	4	0	14	0	1	0	1	0	0	na	-0.38	-36	
Bm1_29715	49.7	0.98	67.8	7	0	0	0	0	1	3	1	0	4	0	0	0	0	0	0	na	-0.46	-37	
Bm1_18195	84.3	0.21	48.9	15	0	0	0	0	0	0	0	0	13	2	0	0	0	0	0	na	-0.20	-37	
Bm1_37240	80.9	0.83	63.9	3	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	na	-0.24	-37	
Bm1_21825	72.4	0.84	67.8	5	1	0	0	0	0	0	0	1	4	0	0	0	0	0	0	na	-0.65	-38	
Bm1_56600	69.7	1.10	64.7	8	0	0	0	0	0	1	0	0	7	0	0	0	0	0	0	na	-0.05	-38	
Bm1_55355	170.0	0.37	65.9	6	1	0	0	0	0	0	0	0	5	0	0	0	0	0	0	na	-0.23	-39	
Bm1_21530	0.0	1.11	48.9	5	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	na	-0.70	-39	
Bm1_47345	72.4	0.25	70.9	10	2	1	0	0	0	2	6	0	4	0	2	0	0	1	0	1	na	-0.21	-39
Bm1_38400	76.6	0.49	60.8	7	0	0	0	0	0	0	1	0	6	0	0	0	0	0	0	na	-0.49	-39	
Bm1_13715	113.0	0.12	56.6	5	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0	na	-0.35	-39	
Bm1_01555	164.0	0.48	68.2	4	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	na	-0.16	-39	
Bm1_56045	238.0	0.07	64.7	23	0	9	0	0	0	0	4	0	14	0	1	0	0	0	2	0	na	-0.57	-40
Bm1_17360	180.0	0.14	58.2	6	0	0	0	1	0	0	0	0	5	0	0	0	0	0	0	na	-0.40	-40	
Bm1_11715	107.0	0.12	57.4	9	1	0	0	0	0	0	1	0	6	0	0	0	0	0	0	na	-0.37	-41	
Bm1_20785	120.0	0.38	67.8	5	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0	na	-0.53	-42	
Bm1_16705	61.2	0.63	63.5	7	1	0	0	0	0	0	1	0	6	0	0	0	0	0	0	na	0.14	-42	
Bm1_02455	56.2	0.75	65.5	5	0	0	0	0	1	0	0	0	4	0	0	0	0	0	0	na	-1.00	-42	
Bm1_05345	89.0	0.11	65.5	6	0	1	0	0	0	0	1	0	5	0	1	0	0	0	1	na	-0.28	-42	
Bm1_46675	105.0	0.49	67.0	4	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	na	-0.31	-43	
Bm1_43275	85.1	0.58	72.0	4	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	na	-0.15	-43	
Bm1_12300	147.0	0.07	65.5	5	1	0	1	0	0	0	0	0	4	0	0	0	0	0	0	na	-0.50	-43	
Bm1_23135	94.0	0.12	56.6	10	0	0	0	0	0	0	0	1	9	0	0	0	0	0	0	na	-0.05	-45	
Bm1_20840	95.5	0.37	70.1	6	0	0	0	2	0	0	0	0	4	0	0	0	0	0	0	na	-0.48	-46	
Bm1_26685	186.0	0.05	62.4	6	0	0	0	1	0	0	0	0	5	0	0	0	0	0	0	na	-0.51	-47	

[illegible]