

					ne_Ψ1_N gene	e_Ψ2_N gene	e_Ψ3_N ger	ne_Ψ4_N g																	rtet_Ψ4_N qu						length_coalescen
107 66.00 08* 23.20				14.00 20.93	10	14	10	9				22.84 0 40.98 0	67.83 10.50	36.77 23.85	30.97 23.73			71.66	14.20 38.42	14.14 32.36	0 35.83 0 12.57		7.10 16.52	7.07 13.91	0	50 43	1 0.0 0.19 0.1		0.00	1.9710500 0.3698030	9.495290 8.996970
09* 60.00 10* 0.00		0.00 9.09		40.00 90.91	0	1	0	10			13.82 66.17	4.79 0 33.69 0	3.59 0.00	0.69 2.79	0.24 1.36		4.523 4.147	70.91 19.13	18.79 59.62	10.30 21.26	0 3.55 0 2.10		0.94 6.56	0.52 2.34	0		0.86 0.0 0.05 0.8		0.06	5.7598000 0.1307280	8.732580 8.672270
11* 10.92				54.62	13	21	20	65				22.95 0	14.18	57.81	21.21		93.199	24.57	41.10	34.34	0 29.23		18.91	40.86	0		0.03	36	0.11	0.0888861	8.101980
112 27.53 113 36.16				56.74		16 15	8	90				19.94 0 21.79 0	59.62 46.05	27.30 22.29	21.67 19.03			49.93 57.96	25.35 23.07	24.72 18.97	0 88.87 0 102.5		15.12 10.83	44.01 33.58	0	178 177	1 0.0		0.00	0.8342790 1.5089100	9.719290 9.930590
114 27.14				39.20			29	78				26.02 0	39.32	51.76	32.01			40.35	30.26	29.39	0 80.29		50.22	58.48	0		0.94 0.0		0.03	0.5013530	8.666140
115 68.37 116 74.00					111	6	3	52 30			11.04 6.55	7.03 0 0.96 0	196.68 196.14	26.53 13.92	2.05			80.48	11.35 10.75	8.17 6.57	0 173.0 0 124.0		24.40 16.12	17.56 9.85	0	<ul><li>215</li><li>150</li></ul>	1 0.0		0.00	<ul><li>2.2305900</li><li>2.1466700</li></ul>	21.619300 20.600700
17* 30.1° 18* 28.00				25.81 40.00			11 11	24 30				13.99 0	33.35	42.68	10.50 2.93			38.57	43.28	18.15 26.62	0 35.87 0 29.09		10.25 25.94	16.88 19.97	0		0.17 0.8 0.62 0.3		0.01	0.4656650	2.838680
19* 33.07			24.41	13.39			62	34		90.53		29.57 0	61.90 61.46	3.56 56.28	49.42		67.148	38.79 37.46	34.59 33.10	29.45	0 29.09		34.07	74.79	0		0.78 0.		0.10	0.9237780 0.3104620	2.256690 5.501680
120 88.56 121 77.08			1.85 0.83	5.54 19.17	240 185	11 7	5	15 46				1.80 0 3.56 0	730.13 387.20	17.11 25.66	13.68 15.25			91.24 87.01	5.11 7.64	3.65 5.35	0 247.2 0 208.8		13.85 18.33	9.90 12.85	0	271	1 0.0		0.00	2.6947200 3.4942300	40.466100 22.905600
122 48.3				38.14	57	9	7	45				5.93 0	91.91	12.68	6.60			63.02	18.74	18.24	0 74.36		22.11	21.52	0	118	1 0.		0.00	1.4979700	9.670780
23* 17.02 124 36.59				40.43 40.49		38 : 24 :	22 23	57 83				24.81 0 18.04 0	29.03 72.56	44.58 44.84	24.29 27.44			32.04 54.97	38.90 22.60	29.06 22.43	0 45.18 0 112.6		54.85 16.33	40.97 45.98	0	141 205	0.13 0.		0.08	0.1902110 0.4548810	4.285190 7.423490
25* 28.9°	1 33		18.01	19.91	61	70 :	38	42				28.14 0	73.00	57.43	51.07			36.21	38.42	25.37	0 76.39		31.07	53.53	0		0.27 0.	70	0.03	0.3412570	1.553340
126 45.1 <i>°</i> 27* 10.8 <i>°</i>				47.28 68.67	18	7 30	4	114				11.16 0 13.65 0	147.58 49.73	32.05 45.97	22.59 15.13		02.215 10.833	67.00 30.75	17.79 45.78	15.21 23.46	0 123.2 0 51.05		76.00	27.99 38.95	0	184	1 0.0 0 1.0		0.00	<ul><li>2.0737700</li><li>0.1431280</li></ul>	13.034300 3.689260
128 10.79				77.70		10	6	108				22.87 0	51.50	75.04	32.31			44.68	28.79	26.53	0 62.11		10.02	36.87	0		0.99 0.0		0.00	0.2259510	4.312080
29* 12.4 <sup>2</sup> 130 22.75				70.65 53.65			16 22					11.70 0 19.32 0	101.97	145.92 43.68	30.59 35.76			34.99 42.38	35.63 32.74	29.37 24.89	0 70.34 0 98.73		71.62 76.27	59.04 57.99	0		0.4 0.4		0.12	0.4082230	2.888280
131 30.48 32* 10.76		3.70 7.59	6.85	48.97 75.32	89 17	40 :	20	143				11.15 0 31.37 0	228.16 19.95	32.83 34.71	31.54 25.11	0 29	92.532	50.30 37.76	29.68	20.01	0 146.89 0 59.65		36.68 52.16	58.44 46.18	0	292 158	1 0.0	00 19	0.00	0.7406570 0.4060550	5.404080 2.267990
33* 10.75		4.30	3.23	81.72	10	4	3	76				20.83 0	20.02	11.00	8.15	0 3	39.164	40.03	32.52	27.44	0 37.23		30.25	25.52	0	93	0.77 0.		0.08	0.2117070	1.202940
34* 9.52 135 14.0°				<ul><li>64.29</li><li>74.52</li></ul>	22	10	5 8	27 117				11.09 0 5.71 0	6.92 119.49	9.25 121.90	2.00 13.28			25.77 47.43	39.30 27.36	34.93 25.20	0 10.82 0 74.47		16.50 12.96	14.67 39.56	0	42 157	0.13 0		0.31	0.2344360 0.4385820	0.337001 3.509930
36* 9.68	3 12	2.90	6.45	70.97	15		10	110	155	14.86	73.68	11.46 0	26.21	160.10	20.12	0 20	06.431	34.51	34.79	30.70	0 53.50	5	53.92	47.58	0	155	0.39 0.4	42	0.19	0.2281520	0.822184
37* 13.18 138 66.67		1.11		31.11	17 120	2	2	56				15.83 0 7.34 0	13.33 198.85	25.73 24.78	7.33 17.73		41.358	37.84 82.76	33.44 9.45	28.72     7.79	0 48.82 0 148.9		13.14 17.01	37.05 14.02	0	129	0.67		0.11	0.2114360     3.2046800	0.844746 20.743500
139 54.40 40* 26.98				35.20 26.98	68 34	8 30 :	5 28	44 34				6.11 0 29.95 0	125.97 22.88	9.38	8.84 22.79			71.26 36.51	14.98 33.49	13.76	0 89.07 0 46.01		18.72 12.20	17.21 37.79	0	125 126	1 0.0 0.56 0.5		0.00	2.5497900 0.2051630	11.482100 2.215690
40* 26.98 141 35.06				26.98			15	19				29.95 0 24.24 0	22.88	18.08	22.79 12.94		76.100 53.313	36.51 43.65	33.49	29.99	0 46.01		24.26	19.13	0		0.56     0.5       0.91     0.6		0.16	1.2485000	1.813180
142 43.56 43* 16.5 <sub>4</sub>				40.44 49.62			15 39	91 132	225 266			16.58 0 35.55 0	151.03 75.72	61.86 102.40	42.35 98.22			61.02 33.73	22.10 34.09	16.88 32.18	<ul><li>0 137.3</li><li>0 89.73</li></ul>		19.73 90.68	37.98 85.59	0	<ul><li>225</li><li>266</li></ul>	1 0.0 0.36 0.4		0.00	1.4796900 0.2461170	13.060800 2.327800
144 62.44	4 3	3.29		31.46	133	7	6		213	85.37		4.94 0	351.14	39.93	20.36	0 4	11.430	74.60	15.30	10.10	0 158.9	) 3	32.59	21.50	0	213	1 0.0	00	0.00	2.3555400	15.440000
45* 33.5 <sup>4</sup> 146 31.7 <sup>2</sup>		29.19 : 6.99	23.60 6.45	13.66 54.84			38 12	102		42.60 70.15	34.08 15.33	23.32 0 14.52 0	49.76 138.27	39.85	27.28 28.64		16.891 97.147	39.29 54.33	34.03 22.93	26.68 22.75	0 63.25 0 101.0		54.80 12.64	42.95 42.31	0	161 186	0.81 0.		0.04	0.2907180 0.9356320	2.906330 5.464810
147 28.00				38.00 44.07		26 :	25	57				18.65 0	98.64	72.31	39.17			45.03	29.23	25.74	0 67.54 0 85.80		13.85 16.84	38.61	0	150	1 0.0	00	0.00	0.6580930	2.988780 13.747400
148 52.54 149 12.10				81.45	62 15	5	3	52 101				8.21 0 10.61 0	122.28 71.21	9.08	13.78 6.18			72.71 42.51	14.27 36.42	13.02 21.07	0 85.80		15.16 15.16	15.36 26.13	0	118	1 0.0		0.00	<ul><li>2.5161500</li><li>0.1965430</li></ul>	9.039850
150 11.66 51* 11.20		6.36 7.20		76.68 58.80		18 43	15 32	217 147				27.68 0 23.01 0	61.67 82.80	101.87 61.73	62.09 43.22			39.03 34.20	31.32 33.17	29.66 32.63	0 110.4 0 85.49		38.63 32.92	83.93 81.59	0		0.93 0.0 0.42 0.5		0.03	0.1968560 0.2702740	2.325960 0.521815
52* 8.36	5 7		3.64	80.36		21				46.67	26.81	26.52 0	146.88	73.43	72.41	0 29	92.715	34.98	35.00	30.02	0 96.20	9	96.25	82.55	0	275	0.44 0.4	14	0.12	0.1644010	1.038190
53* 6.51 154 12.73				83.26 73.33								24.34 0 18.24 0	165.14 47.17	98.74 25.35	81.84 16.16			33.73 41.90	33.22 29.96	33.04 28.14	0 72.53 0 69.13		71.43 19.44	71.05 46.43	0		0.37 0.3 0.97 0.0		0.31	0.1294960 0.3758460	0.617595 1.951530
55* 7.93	3 5	5.73	5.29	81.06	18		12	184	227	79.46	11.91	8.63 0	292.59	38.17	27.53	0 3	58.289	37.50	31.36	31.14	0 85.12	7	71.19	70.69	0	227	0.78 0.	11	0.11	0.3265070	1.014350
156 55.63 157 88.89				33.10 11.11	79 88	0	0	11				13.44 0 4.63 0	67.05 122.00	36.79 7.16	16.12 6.30			67.93 93.79	16.79 4.52	15.29 1.69	0 96.46 0 92.85		23.84 4.48	21.71 1.67	0	99	1 0.0		0.00	1.7490400 4.9350500	16.380900 29.375800
58* 13.48 59* 16.9 <sup>2</sup>				58.43 49.19		17 22 :	8 20		89 124			20.47 0 5.35 0	48.65 47.23	47.73 461.23	24.78 22.79			33.61 33.43	39.51 34.28	26.87 32.29	0 29.92 0 41.45		35.17 42.51	23.92 40.04	0	89 124	0.2 0. <sup>2</sup> 0.33 0. <sup>2</sup>		0.09 0.27	0.1538140 0.1771580	3.416960 1.705620
60* 12.96		6.67		62.96		18	8	68				25.38 0	37.77	139.77	48.99			35.94	34.28	26.69	0 41.45		10.36	28.83	0		0.33 0.4		0.27	0.1771580	1.542560
61* 24.66 62* 18.75		5.07	15.07 5.00	45.21 56.25	18 15	11 16	11	33 45				<ul><li>24.25 0</li><li>27.43 0</li></ul>	37.32 49.69	18.34 33.30	17.82 31.35		73.477 14.341	36.82 38.15	33.90 34.23	29.27 27.62	0 26.88 0 30.52		24.75 27.38	21.37 22.10	0		0.51 0.5 0.6 0.5		0.17	0.4387260 0.3333550	0.750857 3.160780
163 88.4°	1 1	1.45	0.72	9.42	122	2	1	13	138	96.64	2.18	1.18 0	235.72	5.34	2.88	0 24	43.938	94.90	3.42	1.68	0 130.9	5 4	4.72	2.32	0	138	1 0.0	00	0.00	5.3182500	34.368200
164 27.35 165 18.56				55.56 56.19	32 36	16 34	15	65 109	117 194			10.23 0 2.94 0	52.63 23.96	11.89 1582.04	7.38 43.59			52.75 41.04	32.92 36.28	14.33 22.68	0 61.72 0 79.62		70.38	16.77 44.00	0	117 194	1 0.0 0.91 0.0		0.00	0.4784540 0.0972568	7.868530 3.810990
166 29.26		23.40		39.89 45.91			14 19	75 73				25.26 0 20.70 0	54.55 66.07	28.38	28.03			42.34 45.47	37.51 29.16	20.15	0 79.60 0 72.29		70.51 46.36	37.89 40.35	0	188 159	0.93 0.0		0.00	0.2487870	2.943430 6.661560
167 28.93 68* 22.22				45.91 37.37	44	49 :	31	73 74				20.70     0       20.97     0	66.07 86.09	59.18	23.50 38.54			45.47 37.75	29.16 36.16	25.38 26.09	0 72.29		71.60	40.35 51.66	0		1 0.0 0.62 0.3		0.00	0.3485720 0.3164700	2.095180
169 41.92 170 27.46				51.50 41.55	70 39	6 29	5 15	86 59				15.88 0 22.68 0	92.92 39.16	35.44 29.67	24.24 20.21			63.61 42.81	19.59 34.23	16.81 22.95	0 106.2 0 60.80		32.71 48.61	28.07 32.59	0	167 142	1 0.0 0.96 0.0		0.00	1.4406700 0.3566930	11.209000 10.453700
171 85.7 <i>′</i>	1 3	3.57	1.79	8.93	48	2	1	5	56	89.20	7.02	3.78 0	199.50	15.71	8.47	0 22	23.674	86.45	6.89	6.67	0 48.41	3	3.86	3.73	0	56	1 0.	00	0.00	5.2753300	14.103600
172 88.4 <sup>2</sup> 73* 22.40		1.01 28.65	0.50 15.63	10.05 33.33	176 43	55 :	30	20 64		97.13	1.71 39.90	1.16     0       37.21     0	670.23 35.58	11.78 61.95	8.01 57.75			93.51	3.34 37.48	3.16 29.20	0 186.0 0 63.97		6.64 71.96	6.28 56.07	0	199 192		72	0.00	4.9915900 0.0946630	42.389600 1.341210
174 37.55 75* 20.14				20.69	98		38	54				22.94 0	72.75 41.51	64.21	40.75			43.36	35.47	21.17	0 113.1		92.59	55.24	0	261	1 0.0		0.00	0.1806510	5.372390
75* 20.1 <sup>2</sup> 176 84.62		8.06 1.54		47.92 13.08	110	26 2	1	69 17				30.02 0 3.81 0	41.51 358.85	39.78 22.98	34.86 15.12			38.12 87.54	32.27 6.81	29.61 5.64	0 54.90 0 113.8		16.46 8.86	7.34	0	144	0.73     0.       1     0.		0.11	0.2858720     4.1197900	6.884260 25.058800
177 60.00 178 71.15				29.23 11.54	39 37	8	3	19 6	65 52			7.08 0 0.96 0	90.96 99.68	22.85 7.73	8.66 1.04			72.68 77.87	13.68 19.25	13.64 2.88	0 47.25 0 40.49		8.89 10.01	8.87 1.50	0	65 52	1 0.0 1 0.0		0.00	1.4946300 2.8000200	16.336600 17.957900
179 41.35	5 12	2.03	7.52	39.10	55		10	52	133	49.02	37.30	13.68 0	85.05	57.00	20.90	0 10	62.955	54.49	24.13	21.38	0 72.47	3	32.10	28.43	0	133	1 0.0	00	0.00	0.2554670	12.412500
80* 28.99 181 26.22				28.02 41.33			21 34					15.18 0 16.21 0	153.41 138.50	46.09 31.88	33.60			38.86 43.93	46.58 31.41	14.56 24.67	0 80.45 0 98.84		96.42 70.66	30.14 55.50	0	207	0 1.0 1 0.0		0.00	0.4717400 0.3900870	2.604610 4.512340
182 73.53	3 5			20.59	25	2	0	7				5.43 0	33.76	6.80	2.35			83.15	8.45	8.40	0 28.27		2.87	2.86	0	34	1 0.0		0.00	4.4959300	17.604200
183 50.00 84* 13.50				38.24 68.71	22	25	4	26 112				8.21 0 25.10 0	43.20 33.98	4.62 44.71	4.29 26.42			69.36 35.58	17.12 41.45	13.52 22.97	0 47.17 0 57.99		11.64 57.57	9.19 37.44	0	163	1 0.0 0.08 0.9		0.00	1.5051000 0.1837690	15.072300 6.528370
185 23.40 186 33.70				59.57 48.07				140 87				7.46 0 21.88 0	100.94 59.56	339.51 31.59	31.82 25.50			44.06 56.30	29.29 28.98	26.64 14.72	0 103.5 0 101.9		58.84 52.45	62.61 26.64	0	<ul><li>235</li><li>181</li></ul>	1 0.0	00	0.00	0.3856130 0.2122180	4.464020 6.706360
87* 6.21	1 10	6.77	5.59	71.43	10	27	9	115	161	22.19	65.85	11.97 0	40.06	134.53	21.84	0 19	96.418	31.75	42.78	25.47	0 51.12	6	58.88	41.00	0	161	0.02 0.9	98	0.01	0.1031010	1.080120
188 10.00 89* 14.08		7.86 5.05		75.00 57.77	14 29	31	10 27	105 119				24.32 0 33.31 0	36.10 62.89	193.30 72.82	42.73 67.82		72.119 03.526	40.91 30.37	30.85 35.50	28.25 34.13	0 57.27 0 62.57		13.18 73.12	39.55 70.31	0		0.91 0.0 0.15 0.0		0.04	0.0805826 0.0886456	1.957790 0.202812
190 64.29				23.81	27	3	2	10				2.00 0	53.66	1.32	1.12			75.01	12.53	12.47	0 31.50		5.26	5.24	0	42	1 0.0		0.00	2.3684300	10.465700
191 63.6 <sup>2</sup> 92* 17.65				33.33 52.94	9	8	7	27				14.85 0 30.55 0	27.54 19.31	7.91	6.22 17.69			83.75 40.20	10.97 32.02	5.28 27.78	0 27.64 0 20.50		3.62 16.33	1.74 14.17	0	51	1 0.67 0.5		0.00	3.4182400 0.4005270	13.851900 10.000600
193 45.54 194 91.57			5.36 0.00	40.18 7.23	51 152	10	6	45 12				17.20 0 10.68 0	95.11 249.18	29.61 43.79	25.97 35.05			64.34 95.39	20.87 2.99	14.79 1.62	0 72.06 0 158.3		23.38 4.97	16.56 2.69	0	112 166	1 0.0 1 0.0		0.00	1.9325800 5.4364400	18.456800 61.116700
195 98.93			0.00	0.53	185	1	0	1				0.38 0	1194.34	20.39	4.60			98.93	0.56	0.51	0 185.0		1.04	0.96	0	187	1 0.0	00	0.00	7.5091200	79.591200
196 38.36 197 90.20		22.01 2 4.58	21.38 1.31	18.24 3.92	138	35 : 7	2	29 6				<ul><li>27.39 0</li><li>11.35 0</li></ul>	88.08 537.41	60.33 83.70	55.97 79.57			45.88 91.60	28.57 6.92	25.55 1.48	0 72.94 0 140.1		15.43 10.58	40.63 2.27	0	159 153	1 0.0		0.00	0.8598880 3.6339800	9.022120 35.097100
98* 11.63	3 16	6.28		61.63	10	14	9	53	86	30.69	35.98	33.33 0	36.28	42.52	39.41	0 1	18.205	40.92	33.30	25.78	0 35.19	2	28.64	22.17	0	86	0.8	14	0.06	0.4345150	6.302700
199 17.35 200* 10.29				<ul><li>63.27</li><li>58.09</li></ul>	• •	30	13	62 79				24.55 0 33.68 0	55.98 56.32	45.18 65.08	32.95 61.64		34.101 83.044	45.03 30.66	29.32 38.25	25.65 31.09	0 44.13 0 41.69		28.73 52.02	25.14 42.29	0		0.97 0.0 0.13 0.7		0.01	0.5080180 0.1334660	4.830400 3.029790
201 73.75 202 95.43					118	4	2	36				21.55 0	159.68	62.17 75.24	60.97 75.09			81.82	9.12	9.06	0 130.9		14.59	14.50	0	160	1 0.0		0.00	3.4203100	32.714200 58 527100
202 95.42 203* 17.6°				1.96 55.35	146 28	23 2	20	88				7.09 0 27.16 0	908.22 124.70	75.24 93.02	75.09 81.19			96.80 39.29	1.76 32.92	1.44 27.80	0 148.10 0 62.47		2.70 52.34	2.20 44.20	0	153 159	1 0.0 0.83 0.		0.00	6.4090000 0.2904940	58.527100 2.380660
204 53.2 <sup>2</sup> 205 91.3 <sup>2</sup>					74 116	14 2	11 1			52.96 77.73		21.08 0 10.35 0	328.50 457.36	161.05 70.17	130.75 60.90			64.37 93.89	18.30 3.37	17.33 2.74	0 89.47 0 119.2		25.43 4.28	24.09 3.48	0	139 127	1 0.0 1 0.0		0.00	1.8444200 7.9899100	8.935170 43.794600
206 41.18	8 5	5.88	0.00	52.94	7	1	0		17	79.52	13.52	6.96 0	29.24	5.01	2.59	0 3	36.832	62.73	19.61	17.66	0 10.66	3	3.33	3.00	0	17	0.98 0.	01	0.01	4.6514900	3.993830
	.8 4	4.17	1.39	4.17	65	3	1	3				10.19 0 12.29 0	237.94 235.53	30.89	30.51 41.65			92.70 82.45	4.87 9.04	<ul><li>2.43</li><li>8.51</li></ul>	0 66.74 0 77.50		3.51 8.50	1.75 8.00	0	72 94	1 0.0		0.00	5.4462200	35.125500
207 90.28 208 81.9	1 8	8.51	8.51	1.06	77	8	8	I	) <del>-1</del>	05.10												_			-	<b>5</b> .	1 0.	JU	0.00	4.1097500	28.780200