

													_Ψ4 site_Ψ1_N						t length_subs_per_site
	29.56 82.88	32.08 4.79	30.19 1.37	8.18 10.96	47 121	51 7	2	13 16	159 146	29.00 87.54	40.61 6.24		228.47	16.30	50.99 16.25	0 167.8 0 261.0		79 100	0.0262989
	35.17 72.34	22.07 7.45	19.31 2.13	23.45 18.09	51 68	32 7	28 2	34 17	145 94	45.00 84.43	27.69 7.92		) 69.25 ) 147.92	42.58 13.86	42.01 13.41	0 153.8 0 175.1			0.0530558 0.2999780
	65.91	2.27	0.00	31.82	29	1	0	14	44	54.47	42.69		62.14	50.86	3.26	0 175.1			0.2939780
112 113	18.87 12.00	35.85 24.00	22.64	22.64 44.00	10 3	19 6	12 5	12	53 25	31.11 44.74	52.01 30.42		) 17.34 ) 5.48	27.99 3.72	9.10	0 54.42 0 12.19			0.0615166 0.1730280
114	50.47	10.28	8.41	30.84	54	11	9	33	107	62.58	19.91	17.50	) 114.58	36.46	32.13	0 183.1	58 100	100	0.1230020
	<ul><li>22.79</li><li>68.28</li></ul>	25.74 2.76	23.53 1.38	27.94 27.59	31 99	35 4	2	38 40	136 145	33.81 93.95	38.60 4.26		) 71.27 ) 354.01	81.44 16.07	58.21 6.75	0 210.9 0 376.8		99	0.0394094 0.2783800
117*	6.45	15.32	7.26	70.97	8	19	9	88	124	22.24	61.18		21.31	81.02	15.82	0 118.1			0.0070126
118* 119*	11.76 10.26	9.56 8.55	7.69	70.59 73.50	16 12	13	9	96 86	136 117	14.50 31.68	68.45 47.82		55.23	207.26 92.19	46.07 37.14	0 293.5 0 184.5		70	0.0116812 0.0126345
120*	12.70 15.31	11.11 7.14	9.52 4.08	66.67 73.47	8 15	7	6 4	42 72	63 98	46.15 34.44	34.00		) 17.30 ) 50.88	12.78 79.18	7.48 31.37	0 37.56 0 161.4		89 95	0.0267229 0.0396496
121	20.00	17.14	2.86	60.00	7	6	1	21	35	78.14	45.69 12.00		50.88 ) 6.58	1.00	0.87	0 8.45			0.0535067
123* 124	20.42 41.67	11.97 7.14	9.86 5.95	57.75 45.24	29 35	17 6	14 5	82 38	142 84	36.73 59.65	44.05 25.22		30.58	36.65 26.35	15.98 15.79	0 83.20 0 104.3		43 100	0.0234769
	23.21	25.00	21.43	30.36	13	14	12	17	56	42.94	30.73		25.59	18.35	15.70	0 59.63		98	0.0853504
126 127*	72.92 33.33	6.25 37.88	1.04 18.18	19.79 10.61	70 22	6 25	1 12	19 7	96 66	70.22 47.70	26.99 27.48		217.02	84.25 12.69	8.66 11.44	0 309.9 0 46.13			0.2147590 0.0470550
	46.09	10.94	6.25	36.72	59	14	8	47	128	52.69	26.64		79.40	40.16	31.20	0 150.7		100	0.1279040
	38.76 88.89	12.40 5.56	0.00	38.76 5.56	50 16	16	0	1	129 18	54.47 87.41	24.43 8.86		) 62.00 ) 32.28	27.86 3.30	1.38	0 113.8 0 36.95		100	0.0776612 0.4072310
131 132	57.69 29.29	15.38 19.19	11.54 15.15	15.38 36.36	15 29	4 19	3 15	4 36	26 99	89.06 53.29	6.81 26.77		) 24.15 ) 28.68	1.87 14.41	1.14 10.72	0 27.15 0 53.79		100 100	0.1479960 0.0223420
133	43.62	12.77	11.70	31.91	41	12	11	30	94	54.50	28.38		33.42	17.38	10.72	0 61.3			0.0223420
134 135*	29.29 15.89	7.86 18.54	7.86 17.22	55.00 48.34	24	11 28	11 26	77 73	140 151	58.31 20.43	21.99 69.53		54.04 74.87	20.39	18.59 36.80	0 93.00 0 406.6		100 91	0.0312330
136*	27.27	9.09	7.27	56.36	15	5	4	31	55	37.27	47.59	15.15	) 16.63	32.44	6.84	0 55.89	98 92.1	94	0.0132129
137* 138	8.82	20.59	2.94 0.00	67.65 0.00	3	7	0	0	34 5	36.22 79.96	41.91 19.97		2.52	3.17 1.00	0.00	0 7.26 0 5.00			0.0023277 0.1533680
139	35.06	12.99	11.69	40.26	27	10	9	31	77	47.22	33.75	19.03	21.59	15.32	8.68	0 45.59	92 <b>74.8</b>	97	0.0209686
<ul><li>140</li><li>141</li></ul>	39.19 38.46	8.11 16.48	6.76 13.19	45.95 31.87	29 35	6 15	5 12	34 29	74 91	58.55 47.52	22.32 26.52		39.21	16.92 21.90	14.53 21.44	0 75.76 0 82.55			0.1129200 0.0368705
142	76.92 94.12	7.69 0.84	0.00	15.38 4.20	10	1	0	2	13	86.47 97.17	7.60 1.74		58.66	5.16 8.36	4.02 5.24	0 67.85		100	0.3457630
	94.12 35.66	0.84 27.91	0.84 15.50	4.20 20.93	112 46	36	20	27	119 129	97.17 58.24	1.74 23.23		) 466.65 ) 45.01	8.36 17.93	5.24 14.33	0 480.2 0 77.26		100 97	0.4492390 0.0125144
145 146	21.21 23.46	26.52 20.99	22.73 20.99	29.55 34.57	28 19	35 17	30 17	39 28	132 81	40.95 41.64	41.84 30.19		48.67 44.41	49.71 32.19	20.49 30.09	0 118.8 0 106.6		96 100	0.0190890 0.0355759
147	93.62	2.13	0.00	4.26	44	1	0	2	47	95.22	3.46		178.02	6.48	2.47	0 186.9		100	0.3295700
148 149	94.74	0.00	0.00	6.67 5.26	12 18	0	0	1	15 19	91.86	7.90		28.21	0.00	0.07	0 30.7° 0 44.1°			0.1609210 0.2213900
	47.17	18.87	9.43	24.53	25	10	5	13	53	57.56	22.64		21.30	8.75	7.37	0 37.4			0.0306971
151* 152	37.96 20.39	26.85 34.95	12.96 21.36	22.22 23.30	21	29 36	22	24	108	28.33 53.72	49.67 28.60		20.56 37.26	36.12 19.84	15.96 12.30	0 72.63 0 69.39		98	0.0174580 0.0433472
153 154*	80.56 30.00	0.00	0.00	19.44 30.00	29 3	0	0	7	36 10	63.04 51.01	21.90 26.15		) 45.23 ) 6.89	15.75 3.57	10.83 3.14	0 71.80 0 13.60		100 79	0.5133040 0.0382360
	80.00	0.00	0.00	20.00	4	0	0	1	5	74.35	13.05		16.66	2.97	2.86	0 22.48			0.0382300
156 157*	87.50 56.25	6.25 31.25	6.25 6.25	0.00 6.25	14 9	5	1	0	16 16	77.67 58.23	12.80 27.37		55.02 20.63	9.10 9.76	6.77 5.16	0 70.89 0 35.59			0.5953620
	22.50	17.50	15.00	45.00	9	7	6	18	40	34.24	34.90		35.71	36.40	32.24	0 104.3	44 71.9		0.0429122
159* 160*	21.67 26.67	18.33 33.33	18.33 6.67	41.67 33.33	13	11 5	11	25 5	60 15	35.82 38.64	33.35 39.12		) 69.76 ) 20.91	64.97 21.13	60.06 12.07	0 194.7 0 54.10			0.0390287
161	69.23	7.69	0.00	23.08	9	1	0	3	13	54.01	27.89		30.64	15.82	10.29	0 56.75			0.1845920
	92.00 28.57	4.00 21.43	7.14	4.00 42.86	4	3	1	6	25 14	39.87	7.69 30.71		128.98	11.52	9.16	0 149.6 0 33.0°		91	0.5547430
164* 165	66.67 47.73	0.00 9.09	0.00 4.55	33.33 38.64	2 21	0	0 2	1 17	3 44	56.02 47.93	27.60 28.20		4.03 65.87	1.98 38.80	1.20 32.86	0 7.20 0 137.5			0.5982780 0.1341630
	42.22	11.11	8.89	37.78	19	5	4	17	45	56.13	22.18		) 45.27	17.92	17.54	0 80.72		99	0.1221920
	42.11 91.30	21.05 8.70	19.30	0.00	24 42	12 4	0	0	57 46	38.27 76.49	33.77 14.52		) 49.39 ) 138.03	43.57 26.22	36.11 16.20	0 129.0 0 180.4		100	0.0639200 0.2936810
	88.89	5.56	1.85	3.70	48	3	1	2	54	72.61	17.68		176.90	43.09	23.69	0 243.6		100	0.4446290
170 171	75.00	0.00	5.00	0.00	54 15	2	1	2	20	98.62 55.37	0.89 29.82		) 376.07 ) 17.77	3.40 9.57	1.87     4.79	0 381.3 0 32.12		100	0.7680090
172	89.19	5.41	2.70	2.70	33	2	1	1	37	77.23	13.14		188.84	32.15	23.57	0 244.5		100	0.4506200
<ul><li>173</li><li>174</li></ul>	76.27 87.10	15.25 6.45	8.47 6.45	0.00	45 54	9	4	0	59 62	72.24 83.00	14.48 8.87		324.00	35.19 34.64	32.26 31.71	0 242.8 0 390.3		100	0.3352350 0.5397660
175 176	67.82 93.06	5.75 1.39	3.45 1.39	22.99 4.17	59 67	5	3 1	20 3	87 72	80.67 99.42	9.93 0.45		91.70 185.29	11.31 0.84	10.70 0.25	0 113.7 0 186.3		100 100	0.1776080 0.4751170
177	25.45	10.91	5.45	58.18	14	6	3	32	55	38.50	59.01		) 27.16	41.59	1.77	0 70.5			0.4751170
178 179	17.05 31.63	17.05 20.41	10.23 8.16	55.68 39.80	15 31	15 20	9 8	49 39	88 98	1.95 48.78	94.96 26.60		9.03 22.25	565.24 12.13	14.19 11.26	0 588.4 0 45.63		99 99	0.0112283 0.0144404
180	28.28	21.21	14.14	36.36	28	21	14	36	99	61.21	19.92	18.87	56.16	18.28	17.27	0 91.7	12 95.6	100	0.0236590
181 182	25.47 84.09	23.58 4.55	17.92 0.00	33.02 11.36	27 37	25 2	19 0	35 5	106 44	48.72 91.89	35.21 5.62		63.91	29.71 3.94	13.54	0 84.27 0 69.58		100	0.0229185
183* 184*	30.00 18.18	25.00 18.18	15.00 0.00	30.00 63.64	6	5	3	6 7	20 11	34.98 33.10	37.41 48.23		6.54 3.20	7.00 4.65	5.12 1.94	0 18.65 0 9.78		91 67	0.0520892 0.0152803
184* 185*	17.50	18.18 25.00	20.00	63.64 37.50	7	10	8	15	40	47.83	33.95		) 3.20 ) 19.45	13.85	7.45	0 9.78 0 40.74			0.0152803
186* 187	21.95 26.00	23.17	17.07 14.00	37.80 40.00	18 13	19 10	14 7	31 20	82 50	27.76 46.02	52.87 34.38		) 42.77 ) 34.01	102.05 25.45	29.89 14.50	0 174.7 0 73.96		<b>85</b> 97	0.0157084 0.0315086
188	88.82	1.86	1.24	8.07	143	3	2	13	161	89.70	6.78	3.51	) 290.55	21.99	11.39	0 323.9	32 100	100	0.3212840
189 190*	62.10 23.60	4.84 13.66	3.23 7.45	29.84 55.28	77 38	6 22	12	37 89	124 161	83.27 46.09	10.63 34.94		146.74 54.28	18.77 41.19	10.79 22.41	<ul><li>0 176.3</li><li>0 117.8</li></ul>		100 76	0.1961800 0.0304770
191*	13.64	13.64	6.82	65.91	6	6	3	29	44	50.19	47.89	1.92	85.22	175.60	2.17	0 262.9	87 <mark>67.6</mark>	83	0.0056669
192 193*	26.92 19.10	11.54 15.73	7.69 13.48	53.85 51.69	7 34	28	24	14 92	26 178	34.10 73.57	48.79 17.31		2.34	3.24 43.02	1.15 22.59	0 6.72 0 305.7		100	0.0481240 0.0184597
194*	17.14	24.29	10.00	48.57	12	17	7	34	70	42.18	29.17	28.65	) 11.18	7.77	7.62	0 26.57	73 <mark>76.6</mark>	82	0.0180990
195* 196	12.77 27.59	14.89 10.34	14.89 6.90	57.45 55.17	6 8	3	7 2	27 16	47 29	20.28 82.79	45.61 12.27		2.86	<ul><li>6.41</li><li>2.83</li></ul>	4.78 1.14	0 14.04		96	0.0185916 0.0541068
197* 198*	21.43 5.77	16.07 15.38	8.93 7.69	53.57 71.15	12 3	9	5 4	30 37	56 52	50.50 20.44	35.12 49.52		) 16.79 ) 2.39	11.72 5.86	4.81 3.54	0 33.3° 0 11.78		88 91	0.0156547 0.0363869
198* 199*	13.33	20.00	6.67	60.00	6	9	3	27	45	24.05	49.52		2.39	4.36	3.54	0 11.78			0.0363869
200*	10.00 67.01	10.00 9.28	0.00 2.06	80.00 21.65	1 65	1 9	0 2	8 21	10 97	65.38 88.76	21.72 5.99		5.00 143.01	1.69 9.68	0.99 8.48	0 7.68 0 161.1			0.0238799 0.1584890
	30.00	21.67	13.33	35.00	18	13	8	21	60	41.85	37.28	20.87	) 12.65	11.25	6.30	0 30.19	96 90.2		0.0214238
201		17.65	6.86	40.20	36 37	18 21	7 19	20	102 97	29.39 34.90	63.97 32.72		31.36 24.15	67.97 22.67	7.08 22.43	<ul><li>0 106.4</li><li>0 69.24</li></ul>		89 96	0.0263872 0.0178525
201 202 203*	35.29 38.14	21.65	19.59	20.62	<del>-</del> -											· <del>-</del>			
201 202 203* 204 205*	38.14 12.50	12.50	0.00	75.00	1	1	0	6	8	30.24	56.98		1.07	2.30	0.55	0 3.92			0.0391070
201 202 203* 204 205* 206	38.14				1 9 10	1 1 12		6 3 4	8 13 29	30.24 75.38 18.67	56.98 24.62 75.77	0.01	1.07 10.06 2.46	2.30 3.31 36.40	0.55 0.00 0.80	0 3.92 0 13.37 0 39.69	70 99.9	100	0.0391070 0.1494220 0.0404177
201 202 203* 204 205* 206 207 208	38.14 12.50 69.23	12.50 7.69	0.00	75.00 23.08	1 9	1 1 12 2 3	0	3	13	75.38	24.62	0.01 5.56 16.46	10.06	3.31	0.00	0 13.37	70 99.9 56 87.8 2 <b>77.7</b>	100 99 100	0.1494220