

Appendix 1. Dissociation / association constants: NV1078 & 120 bp 50 pM DNA

EXP.	BINDING SITE	DNA	Ref. Peak	Integretion Peak	Ka Hill (nM ⁻¹)	KdHill (nM)	Hill coef.	R Hill	KaLang(nM ⁻¹)	KdLang (nM)	R Lang.	Mismatch	Plateu	Del. points	Points	Av. Kd Hill	Std.Hill
ECF3049	5' ATX- TATA TTAAGTGCA-TTT 3'	120 XT	59.7H	80.4H	2.29	0.44	3	0.99	2.11	0.47	0.94	2,f	yes	0	8	0.35	0.09
ECF3052		120 XT	59.7H	80.7H	3.84	0.26	2.6	0.99	4.16	0.24	0.96		yes	2	6		
ECF3064		120 XT	59.7H	80.7H	2.95	0.34	2.5	0.99	3.5	0.29	0.97		yes	1	7		
ECF3049	5' ATG-TTTTGTA AAATTCT -AAC 3'	120 XT	59.4H	46.3H	3.82	0.26	1.5	0.98	4.22	0.24	0.97	0,r	yes	0	8	0.23	0.03
ECF3052		120 XT	59.7H	47H	4.33	0.23	2.6	0.98	11.4	0.09	0.98		yes	2	6		
ECF3064		120 XT	59.7H	47H	4.89	0.20	2.4	0.99	7.03	0.14	0.97		yes	0	8		
ECF3049	5'GCG- ATAX AATTGATTA-CGC 3'	120 XT	45F	81.9F	3.08	0.32	1.3	0.99	2.83	0.35	0.99	0,f	yes	0	8	0.23	0.09
ECF3052		120 XT	43.8F	81.9F	7.25	0.14	1.7	0.99	11.3	0.09	0.99		yes	0	8		
ECF3064		120 XT	43.9F	81.9F	4.7	0.21	3.4	0.99	7.1	0.14	0.97		yes	1	7		
ECF3011	5' ATX- TATA TTAAGTGCA-TTT 3'	120XC	59H	80.9H	4.42	0.23	5	0.99	6.36	0.16	0.9	2,f	yes	1	7	0.39	0.18
ECF3030		120XC	59.8H	81H	1.73	0.58	3.4	0.99	1.14	0.88	0.93		yes	1	7		
ECF3058		120XC	59.8H	80.9H	2.83	0.35	3.7	0.98	2.19	0.46	0.93		yes	0	8		
ECF3093	5' ATG-TTTTGTA AAATTCT -AAC 3'	120XC	59H	47H	6.09	0.16	2.7	0.99	11.1	0.09	0.98	0,r	yes	1	7	0.22	0.08
ECF3030		120XC	59.8H	46.5H	3.2	0.31	2.9	0.99	2.62	0.38	0.97		yes	2	6		
ECF3058		120XC	59.8H	46.8H	5.6	0.18	2.2	0.99	8.74	0.11	0.98		yes	0	8		
ECF3011	5'GCG- ATAX AATTGATTA-CGC 3'	120XC	43.6F	81.7F	7.67	0.13	1	0.99	6.61	0.15	0.98	0,f	yes	0	8	0.18	0.13
ECF3093		120XC	45.9F	81.9F	11.4	0.09	1	0.99	8.93	0.11	0.99		yes	1	7		
ECF3058		120XC	45.1F	81.9F	3.01	0.33	1	0.98	3.1	0.32	0.98		yes	1	7		
ECF2121	5' ATX- TATA TTAAGTGCA-TTT 3'	120XA	59.2H	81H	1.7	0.59	1	0.98	1.4	0.71	0.97	2,f	yes	0	8	0.35	0.22
ECF2139		120XA	59.3H	81H	3.1	0.32	1	0.98	2.92	0.34	0.97		yes	1	7		
ECF3078		120XA	59.3H	81H	6.8	0.15	1	0.99	5.72	0.17	0.99		yes	2	6		
ECF2121	5' ATG-TTTTGTA AAATTCT -AAC 3'	120XA	59H	46.2H	3.06	0.33	1.7	0.99	2.45	0.41	0.98	0,r	yes	0	8	0.29	0.07
ECF2134		120XA	59H	46.3H	3.02	0.33	1.37	0.99	2.45	0.41	0.98		yes	2	6		
ECF2139		120XA	59H	46.3H	5.02	0.20	1.29	0.99	5.71	0.18	0.98		yes	1	7		
ECF2121	5'GCG- ATAX AATTGATTA-CGC 3'	120XA	45F	81.6F	4.85	0.21	2	0.98	5.43	0.18	0.95	0,f	yes	1	7	0.42	0.22
ECF2134		120XA	44.4F	81.6F	1.56	0.64	1.7	0.98	1.16	0.86	0.98		yes	1	7		
ECF2139		120XA	44.5F	81.6F	2.45	0.41	5	0.99	2.6	0.38	0.89		yes	2	6		
ECF3093	5' ATX- TATA TTAAGTGCA-TTT 3'	120XG	59.6H	80.6H	3.65	0.27	4.7	0.98	3.08	0.32	0.93	2,f	yes	2	6	0.28	0.01
ECF3072		120XG	59.6H	80.8H	3.59	0.28	2.48	0.98	4.28	0.23	0.95		yes	1	7		
ECF3078		120XG	59.6H	80.8H	3.42	0.29	3.4	0.97	4.4	0.23	0.91		yes	0	8		
ECF3030	5' ATG-TTTTGTA AAATTCT -AAC 3'	120XG	59.6H	47.1H	7.15	0.14	1	0.99	6.9	0.14	0.99	0,r	yes	1	7	0.24	0.11
ECF3035		120XG	59.6H	46.6H	4.7	0.21	1	0.99	4.6	0.22	0.99		yes	3	5		
ECF3078		120XG	59.6H	47.1H	2.79	0.36	1.8	0.98	2.56	0.39	0.96		yes	1	7		
ECF3022	5'GCG- ATAX AATTGATTA-CGC 3'	120XG	47F	81.9F	1.63	0.61	1	0.99	1.48	0.68	0.99	0,f	yes	2	6	0.67	0.32
ECF3072		120XG	46F	82	2.56	0.39	1.6	0.98	2.4	0.42	0.97		yes	1	7		
ECF3078		120XG	47F	81.9F	0.98	1.02	1.3	0.98	0.73	1.37	0.97			1	7		

Appendix 2. Dissociation / association constants: NV1087 & 120 bp 50 pM DNA

EXP	BINDING SITE	DNA	Ref. Peak	Integration Peak	Footprint poz.	Ka Hill (nM) ⁻¹	KdHill (nM)	Hill coef.	R Hill	KaLang (nM) ⁻¹	KdLang (nM)	R Lang.	Mismatch	Plateau	Overall points	Av. KdHill (nM)	Std. KdHill
ECF3049	5' CCG-ATXTATATTAAGT-GCA 3'	120 XT	65.7H	80.6H	24-37	1.95	0.51	1.4	0.97	1.7	0.59	0.97	0,Forward	yes	8	0.42	0.11
ECF3052		120 XT	65.7H	80.6H		3.4	0.29	1	0.98	3.14	0.32	0.98	yes	8			
ECF3058		120 XT	65.7H	80.6H		2.17	0.46	1.6	0.98	1.86	0.54	0.98	yes	8			
ECF3049	5' CTG-TAATATGTTTTGT-AAA 3'	120 XT	65.7H	59.4H	55-68	2.16	0.46	1.5	0.98	1.89	0.53	0.98	1,Forward	yes	8	0.45	0.04
ECF3052		120 XT	65.7H	59.4H		2.48	0.40	1	0.99	2.14	0.47	0.99	yes	8			
ECF3058		120 XT	104.5H	59.4H		2.13	0.47	1.6	0.97	1.89	0.53	0.95	yes	8			
ECF3049	5' TTT-TGTAAATTCTAAC-CTG 3'	120 XT	65.7H	46.4H	66-79	3.21	0.31	1.6	0.97	3.54	0.28	0.96	1,Reverse	yes	8	0.24	0.09
ECF3052		120 XT	65.7H	46.4H		3.55	0.28	1.3	0.99	3.35	0.30	0.99	yes	8			
ECF3058		120 XT	104.5H	46H		7.37	0.14	1	0.98	7.07	0.14	0.98	yes	6			
ECF3049	5' TTG-CGTAATCAATTXT-ATC 3'	120 XT	43.8F	81.9F	87-100	1.67	0.60	1.4	0.99	1.4	0.71	0.99	2,Reverse	yes	7	0.51	0.08
ECF3052		120 XT	43.8F	81.9F		2.03	0.49	1	0.98	1.73	0.58	0.98	yes	8			
ECF3058		120 XT	43.8F	82F		2.28	0.44	1.4	0.98	2.24	0.45	0.98	yes	7			
ECF3020	5' CCG-ATXTATATTAAGT-GCA 3'	120XC	103.5H	81H	24-37	4.05	0.25	1.5	0.99	3.7	0.27	0.98	0,Forward	yes	7	0.28	0.07
ECF3030		120XC	103.5H	81H		2.8	0.36	1.4	0.99	2.46	0.41	0.98	yes	7			
ECF3091		120XC	103.5H	81H		4.26	0.23	1.6	0.98	4.9	0.20	0.97	yes	7			
ECF3018	5' CTG-TAATATGTTTTGT-AAA 3'	120XC	103.5H	59.8H	55-68	4.43	0.23	1.17	0.99	3.9	0.26	0.99	1,Forward	yes	7	0.30	0.09
ECF3030		120XC	103.5H	59.3H		3.74	0.27	1.4	0.98	3.53	0.28	0.98	yes	7			
ECF3058		120XC	103.5H	59.7H		2.5	0.40	1.3	0.98	2.07	0.48	0.99	yes	8			
ECF3018	5' TTT-TGTAAATTCTAAC-CTG 3'	120XC	103.5H	47.2H	66-79	6.74	0.15	2	0.99	10.6	0.09	0.99	1,Reverse	yes	7	0.22	0.07
ECF3030		120XC	103.5H	47.4H		4.55	0.22	2.32	0.99	5.63	0.18	0.98	yes	8			
ECF3058		120XC	103.5H	47.2H		3.52	0.28	1.5	0.98	3.6	0.28	0.98	yes	8			
ECF3018	5' TTG-CGTAATCAATTXT-ATC 3'	120XC	72.7F	82F	87-100	1.59	0.63	2	0.99	1.06	0.94	0.98	2,Reverse	yes	7	0.61	0.17
ECF3030		120XC	45F	81.9F		2.3	0.43	1.7	0.97	1.82	0.55	0.97	yes	7			
ECF3058		120XC	45F	81.9F		1.3	0.77	1.66	0.99	0.99	0.95	0.99	yes	7			
ECF2121	5' CCG-ATXTATATTAAGT-GCA 3'	120XA	104H	80.6H	24-37	6.03	0.17	3.7	0.99	6.06	0.17	0.92	0,Forward	yes	6	0.28	0.10
ECF2134		120XA	104H	80.6H		2.69	0.37	2	0.98	2.07	0.48	0.96	yes	7			
ECF2139		120XA	104H	80.6H		3.41	0.29	2.9	0.99	2.7	0.37	0.94	yes	7			
ECF2121	5' CTG-TAATATGTTTTGT-AAA 3'	120XA	104H	59.3H	55-68	5.57	0.18	1.3	0.99	5.34	0.19	0.98	1,Forward	yes	7	0.36	0.16
ECF2134		120XA	104H	59.3H		2.17	0.46	1.6	0.96	1.55	0.65	0.95	yes	7			
ECF2139		120XA	104H	59.3H		2.27	0.44	1.38	0.97	2.08	0.48	0.97	yes	7			
ECF2121	5' TTT-TGTAAATTCTAAC-CTG 3'	120XA	67H	46.3H	66-79	7.04	0.14	1.4	0.99	9.73	0.10	0.98	1,Reverse	yes	7	0.19	0.07
ECF2134		120XA	104.4H	46.3H		6.62	0.15	1.3	0.99	5.7	0.18	0.98	yes	6			
ECF2139		120XA	104.4H	46.1H		3.66	0.27	1	0.99	6.49	0.15	0.99	yes	7			
ECF2121	5' TTG-CGTAATCAATTXT-ATC 3'	120XA	72.1F	82.2F	87-100	6.98	0.14	2.5	0.99	7.4	0.14	0.95	2,Reverse	yes	6	0.34	0.25
ECF2134		120XA	72F	81.8F		3.78	0.26	2.7	0.99	3.8	0.26	0.95	yes	6			
ECF2139		120XA	44.3F	81.8F		1.6	0.63	3.5	0.99	1.27	0.79	0.94	yes	7			
ECF3022	5' CCG-ATXTATATTAAGT-GCA 3'	120XG	67.1H	80.9H	24-37	1.04	0.96	1.9	0.99	0.7	1.43	0.98	0,Forward	yes	7	0.93	0.29
ECF3035		120XG	65.8H	80.7H		1.59	0.63	2.1	0.99	1.27	0.79	0.97	yes	7			
ECF3072		120XG	70.7H	80.7H		0.83	1.20	1.7	0.99	0.46	2.17	0.99	yes	8			
ECF3031	5' CTG-TAATATGTTTTGT-AAA 3'	120XG	65.9H	59.7H	55-68	1.27	0.79	1.5	0.98	0.9	1.11	0.98	1,Forward	yes	8	0.60	0.34
ECF3035		120XG	65.8H	59.6H		4.78	0.21	1	0.99	5.07	0.20	0.99	yes	8			
ECF3072		120XG	70H	59.6H		1.26	0.79	1.6	0.98	0.93	1.08	0.97	yes	6			
ECF3022	5' TTT-TGTAAATTCTAAC-CTG 3'	120XG	67.1H	46.6H	66-79	3.19	0.31	1.8	0.99	3.11	0.32	0.98	1,Reverse	yes	8	0.33	0.11
ECF3035		120XG	67H	46.6H		4.37	0.23	1.3	0.99	4.28	0.23	0.99	yes	6			
ECF3072		120XG	70H	46.3H		2.27	0.44	1.4	0.98	1.87	0.53	0.98	yes	8			
ECF3022	5' TTG-CGTAATCAATTXT-ATC 3'	120XG	45.2F	82F	87-100	3.62	0.28	1	0.98	3.91	0.26	0.97	2,Reverse	yes	6	0.40	0.12
ECF3030		120XG	72.2F	82.2F		1.93	0.52	1	0.98	1.61	0.62	0.99	yes	8			
ECF3035		120XG	72.5F	82.2F		2.45	0.41	1.3	0.98	2.11	0.47	0.98	yes	7			