

Assay #	ID #	Primers & Probes	Tm Forward Primer	Tm Reverse Primer	Forward Primer %GC	Reverse Primer %GC	Amplicon Size	#G/C last 5- Forward Primer	#G/C last 5- Reverse Primer	%G/C Primers	Terminal G or C- Primers	Probe G/C	Tm Probe - Av Primers	Av [Rn	Slope	Y-axis Intercept	Av Ct 3.4E6 Molecs	Assay quality, 1/(-slope^Ct), higher is better	
1	GLS1	1,51,101	59.1	60.4	50.0	55.0	72	2	2	5.0	0	0.5	9.8	2.23	-3.42	36.3	14.1	0.0207	
2	GLS2*	2,52,102	61.6	62.0	41.7	47.6	92	1	2	5.9	1	0.3	9.4	2.41	-3.43	36.1	13.7	0.0212	
3	4618	4,54,104	65.7	64.6	50.0	50.0	77	2	2	0.0	1	0.7	-1.5	2.14	-3.94	40.3	14.7	0.0173	
4	6016	6,56,106	59.4	59.5	50.0	55.6	71	3	3	5.6	1	0.6	9.8	2.74	-3.33	34.8	13.2	0.0228	
5	0166	7,57,107	61.8	61.0	44.0	64.7	101	3	3	20.7	2	0.6	9.5	3.25	-3.45	35.5	13.2	0.0220	
6	3303	8,52,102	59.9	62.0	35.7	47.6	129	1	2	11.9	2	0.3	10.3	2.19	-3.40	36.2	14.1	0.0208	
7	2412	9,59,109	64.7	61.4	50.0	55.0	96	1	2	5.0	0	0.7	7.5	2.75	-3.44	39.7	17.4	0.0167	
8	1645	10,60,110	61.1	61.1	40.0	45.5	85	2	2	5.5	0	0.4	9.4	2.42	-3.37	35.6	13.5	0.0219	
9	7952	11,61,111	61.1	61.4	60.0	57.9	69	3	3	2.1	2	0.8	9.1	2.89	-3.22	34.3	13.2	0.0236	
10	8532	12,62,112	N/A	N/A	61.1	58.8	65	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11	795B	13,63,113	61.9	62.4	45.5	66.7	201	2	3	21.2	1	1.6	7.6	1.63	-3.48	35.9	13.3	0.0216	
12	795D	13,64,114	61.9	62.4	45.5	66.7	201	2	3	21.2	1	1.6	8.1	1.87	-3.39	35.3	13.2	0.0223	
13	795C	14,64,115	60.6	59.6	55.0	33.3	79	2	0	21.7	1	1.2	11.7	2.18	-3.47	36.4	14.1	0.0204	
14	6288	16,66,117	N/A	N/A	50.0	60.0	113	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
15	3762	17,67,118	61.6	59.5	41.7	40.0	107	1	3	1.7	0	0.4	13.8	1.97	-3.44	36.0	13.5	0.0215	
16	8085	18,68,119	58.6	59.9	31.0	52.4	93	1	2	21.4	0	2.5	10.3	1.85	-3.28	36.3	15.2	0.0201	
17	8086	19,69,120	56.0	61.1	25.8	45.8	90	2	1	20.0	1	2.5	11.3	1.55	-3.47	36.7	14.0	0.0205	
18	8087	20,70,121	55.9	63.9	26.7	45.8	90	2	1	19.1	1	2.0	3.7	1.60	-3.40	37.0	14.7	0.0200	
19	GLS3	21,51,101	60.0	60.4	47.6	55.0	197	4	2	7.4	1	0.4	9.4	1.50	-3.55	38.3	15.4	0.0183	
20	GLS4	22,51,101	58.9	60.4	50.0	55.0	193	3	2	5.0	0	0.4	10.0	1.78	-3.48	37.5	14.9	0.0192	
21	GLS5	23,51,101	60.1	60.4	44.4	55.0	181	3	2	10.6	1	0.4	9.3	1.49	-3.47	36.9	14.5	0.0200	
22	GLS6	24,51,101	59.4	60.4	36.7	55.0	177	1	2	18.3	0	0.4	9.7	1.80	-3.42	36.8	14.5	0.0202	
23	GLS7	25,51,101	59.2	60.4	58.8	55.0	73	4	2	3.8	0	0.4	9.8	2.06	-3.33	38.0	16.3	0.0184	
24	GLS8	1,71,101	59.1	60.2	50.0	55.0	71	2	2	5.0	1	0.4	9.9	2.11	-3.46	36.3	13.7	0.0212	
25	GLS9	1,72,101	59.1	59.2	50.0	63.2	106	2	3	13.2	1	0.4	10.5	2.01	-3.38	35.8	13.6	0.0217	
26	GLS10	1,73,101	59.1	60.1	50.0	63.2	108	2	3	13.2	1	0.4	10.0	2.03	-3.29	35.3	13.7	0.0222	
27	GLS11	1,74,101	59.1	60.1	50.0	58.5	127	2	3	8.5	1	0.4	10.0	1.81	-3.35	35.2	13.2	0.0225	
28	GLS12	1,75,101	59.1	59.6	50.0	64.7	140	2	3	14.7	0	0.4	10.3	1.79	-3.42	35.6	13.4	0.0217	
29	7935	26,76,122	58.6	59.2	45.5	50.0	90	2	2	4.5	1	1.3	9.1	1.93	-3.41	36.1	13.6	0.0215	
30	8088	27,77,123	67.2	61.5	52.0	44.0	94	4	2	8.0	1	1.0	14.0	0.60	-3.32	38.2	16.2	0.0187	
31	1188	28,78,124	56.0	55.2	40.9	40.9	91	3	2	0.0	0	0.6	13.0	2.82	-3.38	35.6	13.5	0.0219	
32	3034	29,79,125	58.5	58.4	50.0	45.0	129	3	3	5.0	2	0.4	9.8	3.13	-3.39	34.5	12.6	0.0234	