



Primer pair 1

	Sequence (5'->3')	Template strand	Length	Start	Stop	Tm	GC%	Self complementarity	Self 3' complementarity
Forward primer	GGCCTCACATTGAGCTTCCT	Plus	20	68	87	60.03	55.00	4.00	0.00
Reverse primer	CTACCCCCATCTCTCCCTCC	Minus	20	275	256	60.18	65.00	2.00	0.00
Product length	208								

Primer pair 2

	Sequence (5'->3')	Template strand	Length	Start	Stop	Tm	GC%	Self complementarity	Self 3' complementarity
Forward primer	TGGCCTCACATTGAGCTTCC	Plus	20	67	86	60.32	55.00	4.00	0.00
Reverse primer	GGGCTACTACCCCCATCTCT	Minus	20	281	262	59.81	60.00	7.00	0.00
Product length	215								

Primer pair 3

	Sequence (5'->3')	Template strand	Length	Start	Stop	Tm	GC%	Self complementarity	Self 3' complementarity
Forward primer	GTGGCCTCACATTGAGCTTC	Plus	20	66	85	59.19	55.00	4.00	0.00
Reverse primer	CACAGACCCTGGGGCTACTA	Minus	20	292	273	60.33	60.00	7.00	3.00
Product length	227								

Primer pair 4

	Sequence (5'->3')	Template strand	Length	Start	Stop	Tm	GC%	Self complementarity	Self 3' complementarity
Forward primer	CGTGGCCTCACATTGAGCTT	Plus	20	65	84	60.96	55.00	4.00	2.00
Reverse primer	ACAGACCCTGGGGCTACTAC	Minus	20	291	272	60.33	60.00	7.00	1.00
Product length	227								

Template strand	Length	Start	Stop	Tm	GC%	Self complement
Plus	19	18	36	59.71	63.16	3.00
Minus	20	276	257	59.44	60.00	2.00

Self 3' complementarity

Template strand	Length	Start	Stop	Tm	GC%	Self complementarity
Plus	21	68	88	60.62	52.38	4.00
Minus	20	290	271	61.05	65.00	7.00

Self 3' complementarity

Template strand	Length	Start	Stop	Tm	GC%	Self complement
Plus	19	12	30	60.67	63.16	6.00
Minus	19	289	271	59.69	63.16	7.00

Self 3' complementarity
3.00
3.00

Template strand	Length	Start	Stop	Tm	GC%	Self complement
Plus	20	69	88	58.17	50.00	4.00
Minus	19	302	284	60.30	63.16	2.00

Self 3' complementarity
0.00
1.00

Template strand	Length	Start	Stop	Tm	GC%	Self complement
Plus	19	19	37	60.92	63.16	3.00
Minus	19	269	251	60.46	68.42	3.00

Self 3' complementarity
1.00
3.00

Template strand	Length	Start	Stop	Tm	GC%	Self complement
Plus	18	62	79	60.05	61.11	5.00
Minus	19	301	283	60.46	57.89	3.00

Self 3' complementarity
0.00
3.00