





Product Group

Q5

Polymerase/Kit

Q5 High-Fidelity DNA Polymerase

Primer Concentration (nM)

500

Primer Pairs

Type/paste sequences below or load primer pairs from file:

Choose File No file chosen

Interleaved data (one primer per line)

P1fwd; AGCGGATAACAATTTCACACAGGA; P1rev; GTAAAACGACGGCCAGT

pBeta; AGCGGATAACAATTTCAC

P3fwd; AGCGGATAAGGGCAATTTCAC; P3rev; GTAAAACGACGGCCA

5 primers processed. Errors: 1 Warnings: 1



ID	Sequence	Tm	Та	Notes
P1fwd	AGCGGATAACAATTTCACACAGGA	66	63	ОК
P1rev	GTAAAACGACGGCCAGT	62	63	ОК
pBeta	AGCGGATAACAATTTCAC	57		Primer 2 missing Both primers need to be longer than 7 nt

ID	Sequence	Tm	Та	Notes
P3fwd	AGCGGATAAGGGCAATTTCAC	65	60	OKTm difference is greater than the recommended limit of 5 °C.
P3rev	GTAAAACGACGGCCA	59	60	OKTm difference is greater than the recommended limit of 5 °C.

Use of the Q5 High GC Enhancer often lowers the range of temperatures at which specific amplification can be observed, however the rule used to determine Q5 annealing temperatures (Ta = Tm_lower+1°C) typically yields values that will support specific amplification with or without the enhancer.