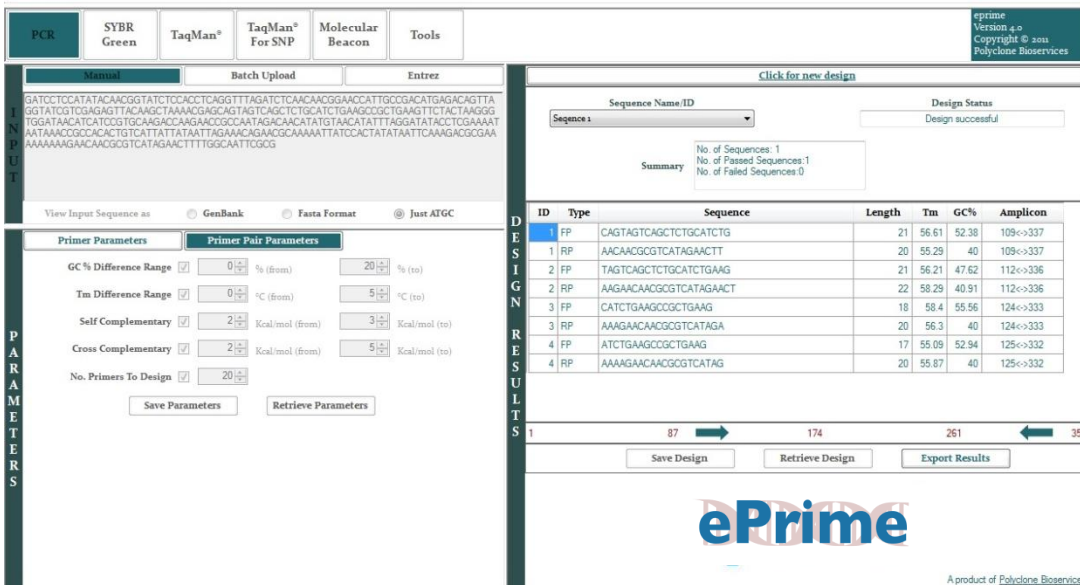




Is primer design the bottleneck in your real-time PCR experiment?

Accurate primer design is the critical factor for success in real-time PCR experiments. ePrime, powered by a combination of molecular biology and thermodynamics insights, helps you design stringent primers with assay specific control to greatly increase the rate of success in the lab.



The screenshot displays the ePrime software interface. At the top, there are tabs for 'Manual', 'Batch Upload', and 'Entrez'. Below these, a 'Sequence Name/ID' field and a 'Design Status' field are visible. A 'Summary' box shows: 'No. of Sequences: 1', 'No. of Passed Sequences: 1', and 'No. of Failed Sequences: 0'. The main area is a table of 'DESIGN RESULTS' with columns for ID, Type, Sequence, Length, Tm, GC%, and Amplicon. The table lists 4 primer pairs (FP and RP) with their respective sequences and thermodynamic data. At the bottom, there are 'Save Design', 'Retrieve Design', and 'Export Results' buttons. The ePrime logo and 'A product of Polyclone Bioservices' are at the bottom right of the interface.

ID	Type	Sequence	Length	Tm	GC%	Amplicon
1	FP	CAGTAGTCAGCTCGCATCTG	21	56.61	52.38	109<>337
1	RP	AACAAGCGTCATAGAAGCTT	20	55.29	40	109<>337
2	FP	TAGTCAGCTCTGCATCTGAAG	21	56.21	47.62	112<>336
2	RP	AAGAACAAGCGTCATAGAAGCT	22	58.29	40.91	112<>336
3	FP	CATCTGAAGCGCGTGAAG	18	58.4	55.56	124<>333
3	RP	AAAGAACAAGCGCGTGAAG	20	56.3	40	124<>333
4	FP	ATCTGAAGCGCGTGAAG	17	55.09	52.94	125<>332
4	RP	AAAGAACAAGCGCGTGAAG	20	55.87	40	125<>332

ePrime 4.0 - Unique Features

- Smart single-screen UI for intuitive user experience
- Ability to save designs and design criteria for future work
- Customizable reports in MS Excel® format

ePrime enables you to

- Design primers for conventional and real time PCR (SYBR® Green, TaqMan® and Molecular Beacon)
- Identify restriction enzyme digestion sites
- Directly input Gene Id/ Accession Nos.
- Modify design parameters as per assay
- Seamlessly link to BLAST and secondary structure analysis

For details contact us at ePrime.license@polyclonebio.com or call us on +91-80-26638766 / +91-80-26638767