Primer3

The Primer3 plugin is a port of the Primer3 tool. It is intended to pick primers from a DNA sequence.

To use the Primer3, open a DNA sequence and select the Analyze Primer3 context menu item. The dialog will appear:

Primer Designer						? <mark>×</mark>
Main General Setting	s Internal Oligo	Penalty Weights R	T-PCR Sequence Qu	ality Result Se	ttings	
Excluded regions						
Product size ranges 150-250 100-300 301-400 401-500 501-600 601-700 701-850 851-1000					Mispriming/Repeat library NONE	•
Number to return	5	🚔 Max 3' sta	bility	9.00	A V	
Max repeat mispriming	12.00	Pair max r	epeat mispriming	24.00	* *	
Max template mispriming	12.00	Pair max t	template mispriming	24.00	* *	
Start codon position						
Pick left primer		Pick hybrid	zation probe (internal ol	go)	Pick right primer	
or use left primer below		or use oligo be	low		or use right primer below (5' to 3' on opposite strand)	
egion Whole sequence	-	1 -	199950			
Help				Save	settings Load settings Reset for	m Pick primers

All available parameters are the same as in the original Primer3.

However there is one additional feature available which is not originally a part of Primer3 tool. It allows user design primers for RT-PCR experiments by choosing which exons/introns to span with the primer product. This feature is described in detailed below. When you select the parameters you can save and load settings with a help of the corresponding buttons in the right corner of the dialog.

RTPCR Primer Design