

$$\begin{aligned}
score(primer, optPrimer) = & (w_1 * \|T_m - T_{m,opt}\| \\
& + w_2 * \|GC - GC_{opt}\| \\
& + w_3 * \|length - length_{opt}\| \\
& + w_4 * \|dist_{RSS} - dist_{RSS,opt}\| \\
& + w_5 * (SA - SA_{opt}) \\
& + w_6 * (SEA - SEA_{opt})) \\
& /6
\end{aligned}$$

$$\begin{aligned}
score(primerPair, primerPairSet) = & (w_1 * \Delta T_m / \Delta T_{m,max} \\
& + w_2 * \Delta GC / \Delta GC_{max} \\
& + w_3 * \Delta length / \Delta length_{max} \\
& + w_4 * \Delta dist_{RSS} / \Delta dist_{RSS,max} \\
& + w_5 * max(SA_{pair}, SA_{set}) / SA_{max} \\
& + w_6 * max(SEA_{pair}, SEA_{set}) / SEA_{max} \\
& + w_7 * PA_{max}(pair \cup set) / PA_{max} \\
& + w_8 * PEA_{max}(pair \cup set) / PEA_{max}) \\
& /8
\end{aligned}$$