Probability of both contestants dying ($d$) vs. Relative fighting ability of Q1 ($f$) for different values of $r$: $r=0.1$, $r=0.25$, $r=0.5$, $r=0.75$, $r=0.9$. The graph shows a downward trend as the relative fighting ability of Q1 increases for each value of $r$. The $y$-axis represents the probability of both contestants dying, ranging from 0.0 to 1.0, and the $x$-axis represents the relative fighting ability of Q1, ranging from -1.00 to 1.00.