A. Shared overdominance

$\hat{p} = 0.5$ $\hat{q} = 0.5$ $\hat{p} = 0.5$ $\hat{q} = 0.5$

AA	Aa	aa
0.95	1	0.95

AA	Aa	aa
0.95	1	0.95

Fst neutral > Fst HLA
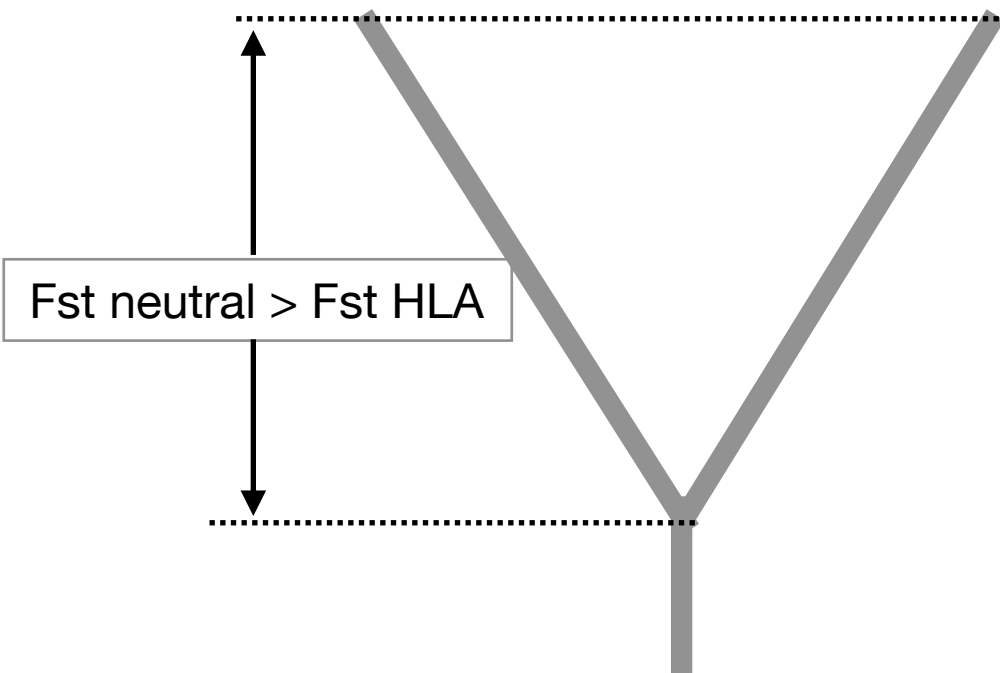
B. Divergent overdominance

$\hat{p} = 0.3$ $\hat{q} = 0.7$ $\hat{p} = 0.5$ $\hat{q} = 0.5$

AA	Aa	aa
0.95	1	0.98

AA	Aa	aa
0.95	1	0.95

Fst neutral > Fst HLA

Fst HLA > Fst neutral