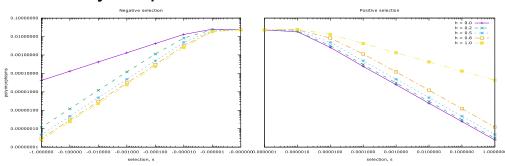
Modelling polymorphisms with selection and dominance

Polymorphisms for fixed dominance

Nomenclature

- s: Selection coefficient
- h: Dominance coefficient
- x: Allele frequency
- N: Effective population
- U: Mutation rate



Polymorphisms
With random allele frequency x, it is given by $E[2 \times (1 - x)]$ where $f(x \mid s, h)$ is proportional to $exp(2Ns(x^2 + 2hx(1-x)))$ * $x^4(4NU-1)(1-x)^4(4NU-1)$.

Sigmoidal dominance

 $h(s) = 1 / (1 + e^{-(-beta * s)})$

