



Real pedigree typical of herd using natural service Number of generations ≈ 9.2 Simulated target trait: $h^2 = 0.5$, $\sigma Jat2 = 100$ BV = parent average + Mendelian sampling Phenotype = μ + BV + noise

Simulated indicator trait: h2 = 0.95, 0.3BV = Parent average + Mendelian sampling + genetic regression on target trait Phenotype = μ + BV + noise

Single-trait and bi-variate BLUP BIF accuracy from PEV













