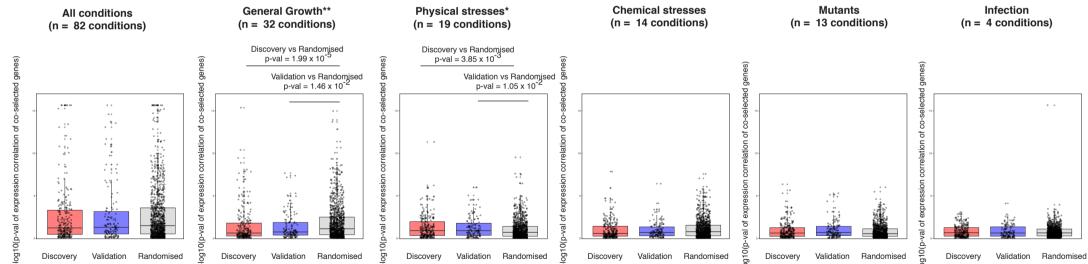
a Co-selected gene-gene pairs in cis Chemical stresses* Mutants* Infection **General Growth*** Physical stresses* All conditions* (n = 32 conditions)(n = 19 conditions) (n = 14 conditions)(n = 13 conditions)(n = 4 conditions)(n = 82 conditions)Discovery vs Randomised Discovery vs Randomised Discovery vs Randomised Discovery vs Randomised Discovery vs Randomised p-val = 1.20 x 10⁻³ p-val = 2.68 x 10⁻⁶ p-val = 7.96 x 10⁻³ p-val = 1.02 x 10⁻² $p-val = 5.17 \times 10^{-4}$ expression correlation of co-selected genes) Validation vs Randomised p-val = 1.06 x 10⁻⁸ Validation vs Randomised Validation vs Randomised Validation vs Randomjsed Validation vs Randomjsed p-val = 4.57 x 10⁻⁵ p-val = 6.71 x 10⁻⁴ p-val = 3.65x 10^{-4} $p-val = 1.65 \times 10^{-1}$ log10(p-val expression correlation of co-selected expression correlation of co-selected 北京の京都 correlation of ğ ō d)0 g)0 Validation Randomised Discovery b Co-selected gene-gene pairs in trans General Growth** Physical stresses* Chemical stresses Mutants Infection All conditions (n = 14 conditions) (n = 13 conditions) (n = 4 conditions)



^{*}More expression correlation observed in Discovery or Validation data compared to randomised data

^{**}Less expression correlation observed in Discovery or Validation data compared to randomised data