markers from random forest model built with 47 markers EF: 100 GK: 25.092 EI: 24.767 1.5 0.75 **-**0.50 **-**0.25 **-**0.00 **-**10 1.0 5 0.5 0.0 0 60 20 60 20 20 40 40 60 40 GO: 19.98 GY: 24.29 AD: 23.37 0.6 2 10 0.3 1 5 0.0 -0.3 20 40 60 20 40 60 20 40 60 AX: 18.513 BW: 18 BB: 15.747 543210 2.5 2.0 1.5 1.0 0.0 0.6 0.4 0.2 0.0 60 20 20 40 60 20 40 60 40 CC: 12.847 FD: 12.168 EY: 11.724 4 **-**3 **-**1 **-**0 **-**1.5 **-**1.0 **-**0.5 **-**3 2 1 0.0 20 20 20 40 60 60 40 60 40 CZ: 10.654 ED: 10.067 CM: 9.116 1.00 0.75 0.50 0.25 0.00 1.0 -2 0.5 1 0.0 20 20 20 60 40 60 60 40 40 AS: 9.019 BR: 8.801 DN: 8.798 1.5 1.0 3 2 1 6 4 · 2 · 0.5 0.0 20 40 60 20 40 20 40 60 IE: 7.994 DP: 8.329 FS: 7.188 2.0 1.5 1.0 0.5 0.0 1.5 1.0 1.0 0.5 0.5 0.0 0.0 40 60 20 40 60 20 40 60 BF: 6.718 AU: 6.869 FI: 6.749 2.5 2.0 1.5 1.0 0.0 1.5 1.0 0.5 0.0 Normalised expression 20 40 60 20 40 60 20 40 60 GS: 6.53 AI: 6.512 FJ: 6.176 3 3 2 1 2 · 1 0 20 40 60 20 40 60 20 40 60 IH: 6.147 HA: 6.03 EE: 6.003 1.2 20 15 10 0 2 0.8 1 0.4 -0.0 40 60 20 40 60 40 60 IJ: 5.779 FG: 5.648 DV: 5.535 0.6 1.5 · 1.0 · 0.5 · 0.0 · 6 0.4 **-**0.2 **-**4 2 · 0.0 20 40 60 20 40 60 20 40 60 DD: 5.379 FO: 5.291 FF: 5.259 1.5 5.0 0.5 0.0 40 60 <u>2</u>0 40 60 20 . 40 20 60 EH: 4.404 BC: 4.458 AG: 4.446 1.00 -0.75 -0.50 -0.25 -0.00 -8 0.6 6 0.4 4 0.2 0.0 40 20 40 60 20 60 20 40 60 BG: 4.338 DO: 3.73 BV: 3.522 2.0 1.5 1.0 0.5 0.0 1.5 2 1.0 -1 0.5 -0 0.0 60 60 20 40 60 20 40 20 40 GT: 3.38 IK: 2.235 EC: 2.067 1.5 -1.0 -0.5 -0.0 -0.75 0.50 3 0.25 2 0.00 . 20 20 40 60 20 40 60 40 60 FU: 1.082 HT: 0 3 2 -7.5 5.0 2.5 0.0 20 40 60 40 Age (based on body length)

downregulated with age

upregulated with age

dir

Marker profiles