

**Table S4** Pairwise comparisons of estimated marginal means (EMMs) of  $b_s$  between trait groups\*. The EMM for each trait group is shown (on diagonal), as well as the difference between two EMMs (below diagonal) and Tukey's adjusted P-value (above diagonal). Significant differences ( $P < 0.05$ ) are shown in bold.

	REP/SUR	WEI/GRO	CONF	PROD	HEA	OTH
REP/SUR	-0.410	0.311	0.999	0.735	0.919	0.117
WEI/GRO	0.661	-1.071	0.535	0.943	1.000	<b>0.004</b>
CONF	0.077	-0.584	-0.487	0.908	0.957	0.064
PROD	0.343	-0.318	0.266	-0.753	1.000	<b>0.021</b>
HEA	0.481	-0.180	0.404	0.138	-0.891	0.086
OTH	-1.236	<b>-1.897</b>	-1.313	<b>-1.579</b>	-1.717	0.826

\*REP/SUR: reproduction/survival, WEI/GRO: weight/growth, CONF: conformation, PROD: production, HEA: health, OTH: other