

Appendix 1. Ordinary least squares (OLS) regression equations for the relationship between four cirral dimensions (ramus length, seta length, intersetal space and ramus diameter) and body mass for leg 6.

| Species/Trait/Site | n | OLS Regression Equations | | | | Body Size (prosomal wet mass, g) ¹ | | |
|-------------------------|----|--------------------------|----------------|----------------|-----------|---|--------|--------|
| | | Slope (SE) | Intercept (SE) | r ² | P (slope) | Mean (SE) | Min | Max |
| <i>Balanus glandula</i> | | | | | | | | |
| Ramus length | | | | | | | | |
| Grappler Narrows | 10 | 0.293 (0.017) | 1.297 (0.037) | 0.974 | <0.0001 | 0.0133 (0.0035) | 0.0006 | 0.0318 |
| Grappler Mouth | 10 | 0.247 (0.017) | 1.189 (0.034) | 0.964 | <0.0001 | 0.0241 (0.0079) | 0.0019 | 0.0758 |
| Bamfield Inlet | 10 | 0.337 (0.033) | 1.292 (0.067) | 0.929 | <0.0001 | 0.0205 (0.0059) | 0.0014 | 0.0544 |
| Self Pt. | 10 | 0.287 (0.021) | 1.066 (0.043) | 0.961 | <0.0001 | 0.0161 (0.0048) | 0.0011 | 0.0451 |
| Kelp Bay | 10 | 0.324 (0.038) | 1.096 (0.077) | 0.898 | <0.0001 | 0.0175 (0.0044) | 0.0016 | 0.0409 |
| Seppings Is. | 10 | 0.296 (0.028) | 1.028 (0.060) | 0.932 | <0.0001 | 0.0165 (0.0047) | 0.0012 | 0.0376 |
| Bordelais Is. | 10 | 0.215 (0.024) | 0.861 (0.052) | 0.910 | <0.0001 | 0.0125 (0.0035) | 0.0008 | 0.0324 |
| Seta length | | | | | | | | |
| Grappler Narrows | 10 | 0.216 (0.015) | 0.211 (0.033) | 0.963 | <0.0001 | – | – | – |
| Grappler Mouth | 10 | 0.189 (0.022) | 0.145 (0.044) | 0.901 | <0.0001 | – | – | – |
| Bamfield Inlet | 10 | 0.225 (0.025) | 0.137 (0.051) | 0.911 | <0.0001 | – | – | – |
| Self Pt. | 10 | 0.179 (0.023) | –0.034 (0.048) | 0.886 | <0.0001 | – | – | – |
| Kelp Bay | 10 | 0.233 (0.026) | 0.005 (0.052) | 0.904 | <0.0001 | – | – | – |
| Seppings Is. | 10 | 0.231 (0.017) | 0.049 (0.036) | 0.958 | <0.0001 | – | – | – |
| Bordelais Is. | 10 | 0.159 (0.026) | –0.099 (0.057) | 0.820 | 0.0003 | – | – | – |
| Intersetal space | | | | | | | | |
| Grappler Narrows | 10 | 0.206 (0.033) | –1.094 (0.073) | 0.826 | 0.0003 | – | – | – |
| Grappler Mouth | 10 | 0.102 (0.030) | –1.414 (0.058) | 0.599 | 0.0086 | – | – | – |
| Bamfield Inlet | 10 | 0.161 (0.033) | –1.314 (0.066) | 0.755 | 0.0011 | – | – | – |
| Self Pt. | 10 | 0.187 (0.026) | –1.327 (0.055) | 0.866 | <0.0001 | – | – | – |
| Kelp Bay | 10 | 0.201 (0.041) | –1.317 (0.082) | 0.749 | 0.0012 | – | – | – |
| Seppings Is. | 10 | 0.072 (0.024) | –1.558 (0.050) | 0.536 | 0.0161 | – | – | – |
| Bordelais Is. | 10 | 0.090 (0.045) | –1.517 (0.097) | 0.334 | 0.0802 | – | – | – |
| Ramus diameter | | | | | | | | |
| Grappler Narrows | 10 | 0.194 (0.017) | –0.381 (0.038) | 0.940 | <0.0001 | – | – | – |
| Grappler Mouth | 10 | 0.241 (0.023) | –0.284 (0.045) | 0.935 | <0.0001 | – | – | – |
| Bamfield Inlet | 10 | 0.243 (0.025) | –0.267 (0.051) | 0.923 | <0.0001 | – | – | – |
| Self Pt. | 10 | 0.207 (0.029) | –0.228 (0.060) | 0.867 | <0.0001 | – | – | – |
| Kelp Bay | 10 | 0.265 (0.024) | –0.157 (0.047) | 0.940 | <0.0001 | – | – | – |
| Seppings Is. | 10 | 0.248 (0.031) | –0.155 (0.065) | 0.889 | <0.0001 | – | – | – |
| Bordelais Is. | 10 | 0.226 (0.017) | –0.184 (0.037) | 0.957 | <0.0001 | – | – | – |
| <i>Chthamalus dalli</i> | | | | | | | | |
| Ramus length | | | | | | | | |
| Grappler Mouth | 10 | 0.265 (0.071) | 1.139 (0.200) | 0.636 | 0.0057 | 0.0017 (0.0003) | 0.0008 | 0.0030 |
| Bamfield Inlet | 10 | 0.253 (0.057) | 0.983 (0.163) | 0.709 | 0.0023 | 0.0017 (0.0003) | 0.0007 | 0.0031 |
| Self Pt. | 10 | 0.350 (0.121) | 1.068 (0.340) | 0.511 | 0.0202 | 0.0018 (0.0003) | 0.0008 | 0.0039 |
| Kelp Bay | 10 | 0.220 (0.058) | 0.729 (0.156) | 0.644 | 0.0052 | 0.0023 (0.0004) | 0.0013 | 0.0054 |
| Seppings Is. | 10 | 0.256 (0.040) | 0.893 (0.111) | 0.834 | 0.0002 | 0.0021 (0.0004) | 0.0009 | 0.0044 |
| Bordelais Is. | 10 | 0.221 (0.052) | 0.714 (0.134) | 0.690 | 0.0029 | 0.0031 (0.0005) | 0.0014 | 0.0059 |
| Seta length | | | | | | | | |
| Grappler Mouth | 10 | 0.145 (0.034) | –0.145 (0.095) | 0.699 | 0.0026 | – | – | – |
| Bamfield Inlet | 10 | 0.206 (0.055) | –0.066 (0.158) | 0.634 | 0.0059 | – | – | – |
| Self Pt. | 10 | 0.217 (0.112) | –0.146 (0.313) | 0.322 | 0.0873 | – | – | – |
| Kelp Bay | 10 | 0.166 (0.068) | –0.268 (0.185) | 0.424 | 0.0413 | – | – | – |
| Seppings Is. | 10 | 0.161 (0.051) | –0.250 (0.141) | 0.555 | 0.0134 | – | – | – |
| Bordelais Is. | 10 | 0.261 (0.071) | –0.046 (0.183) | 0.628 | 0.0062 | – | – | – |
| Intersetal space | | | | | | | | |
| Grappler Mouth | 10 | 0.277 (0.096) | –0.979 (0.270) | 0.512 | 0.0199 | – | – | – |
| Bamfield Inlet | 10 | 0.314 (0.075) | –0.919 (0.212) | 0.689 | 0.0030 | – | – | – |
| Self Pt. | 10 | 0.100 (0.159) | –1.572 (0.448) | 0.047 | 0.5480 | – | – | – |
| Kelp Bay | 10 | 0.147 (0.070) | –1.400 (0.189) | 0.354 | 0.0694 | – | – | – |
| Seppings Is. | 10 | 0.050 (0.066) | –1.597 (0.182) | 0.066 | 0.4721 | – | – | – |
| Bordelais Is. | 10 | 0.182 (0.128) | –1.301 (0.328) | 0.203 | 0.1913 | – | – | – |
| Ramus diameter | | | | | | | | |
| Grappler Mouth | 10 | 0.149 (0.056) | –0.546 (0.158) | 0.469 | 0.0288 | – | – | – |
| Bamfield Inlet | 10 | 0.104 (0.027) | –0.708 (0.077) | 0.650 | 0.0048 | – | – | – |

Appendix 1. continued.

| Species/Trait/Site | n | OLS Regression Equations | | | | Body Size (prosomal wet mass, g) ¹ | | |
|-----------------------------|----|--------------------------|----------------|----------------|-----------|---|--------|--------|
| | | Slope (SE) | Intercept (SE) | r ² | P (slope) | Mean (SE) | Min | Max |
| Self Pt. | 10 | 0.302 (0.095) | -0.118 (0.266) | 0.560 | 0.0127 | – | – | – |
| Kelp Bay | 10 | 0.178 (0.073) | -0.455 (0.197) | 0.426 | 0.0408 | – | – | – |
| Seppings Is. | 10 | 0.186 (0.039) | -0.365 (0.107) | 0.743 | 0.0013 | – | – | – |
| Bordelais Is. | 10 | 0.142 (0.051) | -0.475 (0.130) | 0.495 | 0.0233 | – | – | – |
| <i>Semibalanus cariosus</i> | | | | | | | | |
| Ramus length | | | | | | | | |
| Grapppler Narrows | 10 | 0.180 (0.035) | 1.045 (0.039) | 0.764 | 0.0009 | 0.1556 (0.0457) | 0.0186 | 0.4137 |
| Bamfield Inlet | 10 | 0.204 (0.061) | 1.101 (0.073) | 0.585 | 0.0100 | 0.1152 (0.0315) | 0.0141 | 0.3134 |
| Self Pt. | 10 | 0.243 (0.036) | 1.025 (0.040) | 0.850 | 0.0001 | 0.1169 (0.0217) | 0.0134 | 0.2361 |
| Kelp Bay | 10 | 0.283 (0.026) | 1.092 (0.031) | 0.934 | <0.0001 | 0.1504 (0.0485) | 0.0123 | 0.4269 |
| Seppings Is. | 10 | 0.203 (0.027) | 0.958 (0.030) | 0.877 | <0.0001 | 0.1558 (0.0418) | 0.0117 | 0.4027 |
| Bordelais Is. | 10 | 0.277 (0.051) | 1.017 (0.064) | 0.788 | 0.0006 | 0.0908 (0.0244) | 0.0135 | 0.2308 |
| Seta length | | | | | | | | |
| Grapppler Narrows | 10 | 0.139 (0.032) | -0.005 (0.035) | 0.707 | 0.0023 | – | – | – |
| Bamfield Inlet | 10 | 0.124 (0.042) | -0.018 (0.050) | 0.518 | 0.0190 | – | – | – |
| Self Pt. | 10 | 0.166 (0.033) | -0.061 (0.036) | 0.757 | 0.0011 | – | – | – |
| Kelp Bay | 10 | 0.142 (0.027) | -0.100 (0.031) | 0.777 | 0.0007 | – | – | – |
| Seppings Is. | 10 | 0.135 (0.023) | -0.115 (0.026) | 0.807 | 0.0004 | – | – | – |
| Bordelais Is. | 10 | 0.185 (0.031) | -0.100 (0.039) | 0.816 | 0.0003 | – | – | – |
| Intersetal space | | | | | | | | |
| Grapppler Narrows | 10 | 0.118 (0.044) | -1.329 (0.049) | 0.474 | 0.0277 | – | – | – |
| Bamfield Inlet | 10 | 0.046 (0.039) | -1.461 (0.046) | 0.152 | 0.2656 | – | – | – |
| Self Pt. | 10 | 0.218 (0.038) | -1.282 (0.042) | 0.801 | 0.0005 | – | – | – |
| Kelp Bay | 10 | 0.057 (0.049) | -1.497 (0.057) | 0.144 | 0.2791 | – | – | – |
| Seppings Is. | 10 | 0.016 (0.031) | -1.480 (0.034) | 0.034 | 0.6095 | – | – | – |
| Bordelais Is. | 10 | 0.021 (0.045) | -1.645 (0.056) | 0.026 | 0.6558 | – | – | – |
| Ramus diameter | | | | | | | | |
| Grapppler Narrows | 10 | 0.255 (0.056) | -0.242 (0.062) | 0.720 | 0.0019 | – | – | – |
| Bamfield Inlet | 10 | 0.211 (0.039) | -0.305 (0.047) | 0.786 | 0.0006 | – | – | – |
| Self Pt. | 10 | 0.254 (-0.211) | -0.211 (0.022) | 0.951 | <0.0001 | – | – | – |
| Kelp Bay | 10 | 0.250 (0.013) | -0.154 (0.015) | 0.980 | <0.0001 | – | – | – |
| Seppings Is. | 10 | 0.210 (0.029) | -0.211 (0.032) | 0.871 | <0.0001 | – | – | – |
| Bordelais Is. | 10 | 0.226 (0.042) | -0.173 (0.052) | 0.786 | 0.0006 | – | – | – |
| <i>Pollicipes polymerus</i> | | | | | | | | |
| Ramus length | | | | | | | | |
| Self Pt. | 10 | 0.251 (0.026) | 1.206 (0.018) | 0.919 | <0.0001 | 0.3197 (0.0660) | 0.0676 | 0.6139 |
| Kelp Bay | 10 | 0.258 (0.018) | 1.208 (0.014) | 0.961 | <0.0001 | 0.3566 (0.0886) | 0.0401 | 0.8923 |
| Seppings Is. | 10 | 0.259 (0.023) | 1.169 (0.018) | 0.939 | <0.0001 | 0.2847 (0.0675) | 0.0381 | 0.6150 |
| Bordelais Is. | 10 | 0.290 (0.018) | 1.183 (0.014) | 0.970 | <0.0001 | 0.3197 (0.0742) | 0.0551 | 0.6988 |
| Seta length | | | | | | | | |
| Self Pt. | 10 | 0.172 (0.022) | 0.219 (0.015) | 0.888 | <0.0001 | – | – | – |
| Kelp Bay | 10 | 0.170 (0.017) | 0.209 (0.012) | 0.927 | <0.0001 | – | – | – |
| Seppings Is. | 10 | 0.131 (0.024) | 0.162 (0.018) | 0.791 | 0.0006 | – | – | – |
| Bordelais Is. | 10 | 0.160 (0.040) | 0.152 (0.031) | 0.663 | 0.0041 | – | – | – |
| Intersetal space | | | | | | | | |
| Self Pt. | 10 | 0.211 (0.036) | -0.962 (0.024) | 0.813 | 0.0004 | – | – | – |
| Kelp Bay | 10 | 0.183 (0.021) | -0.981 (0.016) | 0.901 | <0.0001 | – | – | – |
| Seppings Is. | 10 | 0.167 (0.031) | -0.963 (0.024) | 0.781 | 0.0007 | – | – | – |
| Bordelais Is. | 10 | 0.177 (0.025) | -0.947 (0.019) | 0.861 | 0.0001 | – | – | – |
| Ramus diameter | | | | | | | | |
| Self Pt. | 10 | 0.317 (0.030) | 0.084 (0.020) | 0.935 | <0.0001 | – | – | – |
| Kelp Bay | 10 | 0.277 (0.025) | 0.058 (0.019) | 0.938 | <0.0001 | – | – | – |
| Seppings Is. | 10 | 0.291 (0.018) | 0.104 (0.014) | 0.970 | <0.0001 | – | – | – |
| Bordelais Is. | 10 | 0.312 (0.026) | 0.093 (0.020) | 0.947 | <0.0001 | – | – | – |

¹ Mean prosomal wet mass was the same for all traits within a species.

Appendix 2a. Ordinary least squares (OLS) regression equations of the relationship of log (ramus length) to water velocity for legs 4, 5, and 6 (see Fig. 3).

| Species | Leg | OLS Regression Equations | | | | |
|-----------------------------|-------|--------------------------|----------------|----------------|----------------|-----------|
| | | n | Slope (SE) | Intercept (SE) | r ² | P (slope) |
| <i>Balanus glandula</i> | Leg 6 | 7 | -0.058 (0.008) | 0.663 (0.021) | 0.921 | 0.0006 |
| | Leg 5 | 7 | -0.055 (0.010) | 0.635 (0.027) | 0.866 | 0.0023 |
| | Leg 4 | 7 | -0.055 (0.008) | 0.559 (0.023) | 0.903 | 0.0010 |
| <i>Chthamalus dalli</i> | Leg 6 | 6 | -0.051 (0.018) | 0.329 (0.055) | 0.665 | 0.0480 |
| | Leg 5 | 6 | -0.045 (0.016) | 0.301 (0.049) | 0.655 | 0.0509 |
| | Leg 4 | 6 | -0.038 (0.014) | 0.226 (0.043) | 0.640 | 0.0560 |
| <i>Semibalanus cariosus</i> | Leg 6 | 6 | -0.031 (0.005) | 0.866 (0.015) | 0.913 | 0.0029 |
| | Leg 5 | 6 | -0.029 (0.005) | 0.846 (0.015) | 0.895 | 0.0043 |
| | Leg 4 | 6 | -0.025 (0.004) | 0.754 (0.013) | 0.893 | 0.0045 |
| <i>Pollicipes polymerus</i> | Leg 6 | 4 | -0.029 (0.006) | 1.127 (0.022) | 0.921 | 0.0402 |
| | Leg 5 | 4 | -0.022 (0.008) | 1.089 (0.031) | 0.770 | 0.1221 |
| | Leg 4 | 4 | -0.016 (0.007) | 1.025 (0.027) | 0.694 | 0.1670 |

Appendix 2b. OLS regression equations for the log-linear relationship of cirral dimensions of leg 6 to water velocity (see Fig. 4)

| Cirral trait | Species | n | Slope (SE) | Intercept (SE) | r ² | P (slope) |
|-----------------------|-----------------------------|---|----------------|----------------|----------------|-----------|
| Log (ramus length) | <i>Balanus glandula</i> | 7 | -0.058 (0.008) | 0.663 (0.021) | 0.921 | 0.0006 |
| | <i>Chthamalus dalli</i> | 6 | -0.051 (0.018) | 0.329 (0.055) | 0.665 | 0.0480 |
| | <i>Semibalanus cariosus</i> | 6 | -0.031 (0.005) | 0.866 (0.015) | 0.913 | 0.0029 |
| | <i>Pollicipes polymerus</i> | 4 | -0.029 (0.006) | 1.127 (0.022) | 0.921 | 0.0402 |
| Log(seta length) | <i>Balanus glandula</i> | 7 | -0.040 (0.009) | -0.267 (0.024) | 0.816 | 0.0053 |
| | <i>Chthamalus dalli</i> | 6 | -0.034 (0.012) | -0.599 (0.036) | 0.665 | 0.0480 |
| | <i>Semibalanus cariosus</i> | 6 | -0.030 (0.004) | -0.154 (0.011) | 0.940 | 0.0014 |
| | <i>Pollicipes polymerus</i> | 4 | -0.027 (0.011) | 0.183 (0.042) | 0.736 | 0.1423 |
| Log(intersetal space) | <i>Balanus glandula</i> | 7 | -0.019 (0.004) | -1.631 (0.012) | 0.802 | 0.0064 |
| | <i>Chthamalus dalli</i> | 6 | -0.002 (0.010) | -1.782 (0.030) | 0.006 | 0.8832 |
| | <i>Semibalanus cariosus</i> | 6 | -0.022 (0.014) | -1.478 (0.043) | 0.381 | 0.1920 |
| | <i>Pollicipes polymerus</i> | 4 | 0.021 (0.006) | -1.155 (0.023) | 0.853 | 0.0765 |
| Log(ramus diameter) | <i>Balanus glandula</i> | 7 | 0.028 (0.005) | -0.761 (0.013) | 0.880 | 0.0018 |
| | <i>Chthamalus dalli</i> | 6 | 0.020 (0.006) | -0.979 (0.019) | 0.718 | 0.0333 |
| | <i>Semibalanus cariosus</i> | 6 | 0.023 (0.005) | -0.523 (0.014) | 0.855 | 0.0083 |
| | <i>Pollicipes polymerus</i> | 4 | 0.016 (0.008) | -0.164 (0.031) | 0.645 | 0.1968 |

Appendix 3. Results from ANCOVA testing for differences in trait means and equality of slopes (prosomal wet mass = covariate) of four cirral traits among populations of *Balanus glandula*, *Chthamalus dalli*, *Semibalanus cariosus* and *Pollicipes polymerus*. Populations of each species were from habitats differing in wave exposure. Cirral traits and prosomal wet mass were log-transformed.

| Species + Leg | Source of variation | Mean Square | | | | |
|-------------------------|---------------------------------|-----------------|----------------------|----------------------|----------------------|----------------|
| | | df ¹ | Ramus length | Setae length | Intersetal space | Ramus diameter |
| <i>Balanus glandula</i> | | | | | | |
| Leg 6 | Population (POP) | 6 | 0.149 *** | 0.081 *** | 0.019 *** | 0.036 *** |
| | Log[wet mass] (WM) | 1 | 1.584 *** | 0.802 *** | 0.407 *** | 1.025 *** |
| | Error | 62 | 0.002 | 0.001 | 0.004 | 0.002 |
| | Equality of slopes ² | 6 | 0.005 * ³ | 0.002 | 0.009 * ³ | 0.002 |
| Leg 5 | POP | 6 | 0.142 *** | 0.088 *** | 0.023 *** | 0.045 *** |
| | WM | 1 | 1.664 *** | 0.796 *** | 0.384 *** | 1.059 *** |
| | Error | 62 | 0.003 | 0.001 | 0.003 | 0.003 |
| | Equality of slopes ² | 6 | 0.006 | 0.003 * ³ | 0.006 * ³ | 0.004 |

Appendix 3. continued.

| Species + Leg | Source of variation | Mean Square | | | | |
|-----------------------------|---------------------------------|-----------------|----------------------|----------------------|----------------------|----------------|
| | | df ¹ | Ramus length | Setae length | Intersetal space | Ramus diameter |
| Leg 4 | POP | 6 | 0.138 *** | 0.103 *** | 0.007 | 0.028 *** |
| | WM | 1 | 1.780 *** | 0.989 *** | 0.409 *** | 0.997 *** |
| | Error | 62 | 0.002 | 0.002 | 0.003 | 0.002 |
| | Equality of slopes ² | 6 | 0.022 * ³ | 0.004 * ³ | 0.010 * ³ | 0.001 |
| <i>Chthamalus dalli</i> | | | | | | |
| Leg 6 | (POP) | 5 | 0.147 *** | 0.063 *** | 0.016 * | 0.020 *** |
| | (WM) | 1 | 0.192 *** | 0.105 *** | 0.093 *** | 0.085 *** |
| | Error | 53 | 0.002 | 0.002 | 0.005 | 0.002 |
| | Equality of slopes ² | 5 | 0.001 | 0.001 | 0.005 | 0.002 |
| Leg 5 | POP | 5 | 0.113 *** | 0.058 *** | 0.025 *** | 0.017 *** |
| | WM | 1 | 0.176 *** | 0.104 *** | 0.033 ** | 0.106 *** |
| | Error | 53 | 0.002 | 0.001 | 0.003 | 0.001 |
| | Equality of slopes ² | 5 | 0.001 | 0.001 | 0.002 | 0.002 |
| Leg 4 | POP | 5 | 0.083 *** | 0.040 *** | 0.012 * | 0.015 *** |
| | WM | 1 | 0.198 *** | 0.104 *** | 0.037 ** | 0.123 *** |
| | Error | 53 | 0.001 | 0.002 | 0.004 | 0.001 |
| | Equality of slopes ² | 5 | 0.001 | 0.001 | 0.002 | 0.002 |
| <i>Semibalanus cariosus</i> | | | | | | |
| Leg 6 | POP | 5 | 0.042 *** | 0.038 *** | 0.050 *** | 0.024 *** |
| | WM | 1 | 0.597 *** | 0.238 *** | 0.057 *** | 0.616 *** |
| | Error | 53 | 0.003 | 0.002 | 0.004 | 0.002 |
| | Equality of slopes ² | 5 | 0.004 | 0.001 | 0.009 * ³ | 0.001 |
| Leg 5 | POP | 5 | 0.036 *** | 0.042 *** | 0.036 *** | 0.031 *** |
| | WM | 1 | 0.683 *** | 0.288 *** | 0.124 *** | 0.755 *** |
| | Error | 53 | 0.003 | 0.002 | 0.004 | 0.002 |
| | Equality of slopes ² | 5 | 0.003 | 0.001 | 0.007 | 0.0005 |
| Leg 4 | POP | 5 | 0.028 *** | 0.032 *** | 0.035 *** | 0.030 *** |
| | WM | 1 | 0.813 *** | 0.512 *** | 0.114 *** | 0.727 *** |
| | Error | 53 | 0.002 | 0.002 | 0.002 | 0.002 |
| | Equality of slopes ² | 5 | 0.002 | 0.004 | 0.001 | 0.002 |
| <i>Pollicipes polymerus</i> | | | | | | |
| Leg 6 | POP | 3 | 0.006 *** | 0.007 ** | 0.004 | 0.003 |
| | WM | 1 | 0.400 *** | 0.142 *** | 0.190 *** | 0.501 *** |
| | Error | 35 | 0.001 | 0.001 | 0.001 | 0.001 |
| | Equality of slopes ² | 3 | 0.0004 | 0.0005 | 0.0004 | 0.001 |
| Leg 5 | POP | 3 | 0.005 ** | 0.006 ** | 0.003 | 0.005 |
| | WM | 1 | 0.442 *** | 0.146 *** | 0.231 *** | 0.520 *** |
| | Error | 35 | 0.001 | 0.001 | 0.002 | 0.001 |
| | Equality of slopes ² | 3 | 0.001 | 0.0002 | 0.0004 | 0.001 |
| Leg 4 | POP | 3 | 0.003 * | 0.006 ** | 0.007 * | 0.004 * |
| | WM | 1 | 0.479 *** | 0.192 *** | 0.294 *** | 0.531 *** |
| | Error | 35 | 0.001 | 0.001 | 0.002 | 0.0005 |
| | Equality of slopes ² | 3 | 0.0004 | 0.0001 | 0.002 | 0.001 |

* $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$.

¹ Main effects and error df and MS exclude non-significant interaction terms.

² When testing for equality of slopes, the error degrees of freedom were 56 for *B. glandula*, 48 for *C. dalli* and *S. cariosus*, and 32 for *P. polymerus*.

³ Interaction became non-significant after Sequential Bonferroni Correction (three legs = three tests for each species) and original main effects and error df and MS are used in full analysis.