


| MPI-138 | <rmbL ${ }^{\text {c }}$ = 0.84 | $<$ rintermediate $^{\text {> }}$ > $=0.22$ |
| :---: | :---: | :---: |
| MPI-055 | $<r_{\text {mbL }}>=0.85$ | <rintermediate > $=0.23$ |
| MPI-080 | $<\mathrm{r}_{\text {mbL }}>=0.85$ | <rintermediate $>=0.23$ |
| MPI-033 | $\left.<r_{\text {mbL }}\right\rangle=0.8$ | $<\mathrm{r}_{\text {intermediate }}>=0.19$ |
| MPI-016 | $<r_{\text {mbL }}>=0.85$ | <rintermediate > $=0.24$ |
| MPI-001 | $<r_{\text {mbL }}>=0.83$ | <rintermediate > $=0.21$ |
| MPI-172 | $\left\langle\mathrm{r}_{\text {mbL }}\right\rangle=0.82$ | $<r_{\text {intermediate }}>=0.2$ |
| MPI-027 | $<r_{\text {mbL }}>=0.83$ | $<r_{\text {intermediate }}>=0.22$ |
| MPI-018 | $<r_{\text {mbL }}>=0.83$ | $<r_{\text {intermediate }}>=0.22$ |
| MPI-003 | $<r_{\text {mbL }}>=0.82$ | $<\mathrm{r}_{\text {intermediate }}>=0.21$ |
| MPI-079 | $<r_{\text {mbL }}>=0.83$ | $<\mathrm{r}_{\text {intermediate }}>=0.22$ |
| MPI-085 | $<r_{\text {mbL }}>=0.84$ | $<r_{\text {intermediate }}>=0.24$ |
| MPI-075 | $<r_{\text {mbL }}>=0.84$ | $<r_{\text {intermediate }}>=0.23$ |
| MPI-082 | $<r_{\text {mbL }}>=0.84$ | $<r_{\text {intermediate }}>=0.23$ |
| MPI-095 | $<r_{\text {mbL }}>=0.78$ | $<r_{\text {intermediate }}>=0.18$ |
| MPI-101 | $<r_{\text {mbL }}>=0.84$ | $<r_{\text {intermediate }}>=0.24$ |
| MPI-043 | $<r_{\text {mbL }}>=0.84$ | $<r_{\text {intermediate }}>=0.25$ |
| MPI-017 | $\left\langle r_{\text {mbL }}\right\rangle=0.76$ | $<r_{\text {intermediate }}>=0.17$ |
| MPI-032 | $<r_{\text {mbL }}>=0.82$ | <rintermediate $>=0.24$ |
| MPI-087 | $<r_{\text {mbL }}>=0.81$ | $<r_{\text {intermediate }}>=0.22$ |
| MPI-171 | $<r_{\text {mbL }}>=0.82$ | $<r_{\text {intermediate }}>=0.24$ |
| MPI-091 | $<r_{\text {mbL }}>=0.79$ | $<r_{\text {intermediate }}>=0.22$ |
| MPI-044 | $\left\langle r_{\text {mbL }}\right\rangle=0.82$ | $<r_{\text {intermediate }}>=0.24$ |
| MPI-005 | $<r_{\text {mbL }}>=0.81$ | $<r_{\text {intermediate }}>=0.24$ |
| MPI-034 | $\left\langle\mathrm{r}_{\text {mbL }}\right\rangle=0.78$ | $<r_{\text {intermediate }}>=0.21$ |
| MPI-114 | $\left\langle r_{\text {mbL }}\right\rangle=0.8$ | <rintermediate $>=0.23$ |
| MPI-084 | $\left\langle r_{\text {mbL }}\right\rangle=0.8$ | $\left.<r_{\text {intermediate }}\right\rangle=0.24$ |
| MPI-077 | $<r_{\text {mbL }}>=0.81$ | $<r_{\text {intermediate }}>=0.25$ |
| MPI-144 | $<r_{\text {mbL }}>=0.77$ | $\left.<r_{\text {intermediate }}\right\rangle=0.21$ |
| MPI-048 | $\left\langle\mathrm{r}_{\text {mbL }}\right\rangle=0.79$ | $<r_{\text {intermediate }}>=0.24$ |
| MPI-071 | $\left\langle r_{\text {mbL }}>=0.75\right.$ | <rintermediate $>=0.21$ |
| MPI-081 | $\left\langle\mathrm{r}_{\text {mbL }}\right\rangle=0.77$ | $<r_{\text {intermediate }}>=0.23$ |
| MPI-086 | $<r_{\text {mbL }}>=0.77$ | $<r_{\text {intermediate }}>=0.24$ |
| MPI-140 | $<r_{\text {mbL }}>=0.69$ | $<r_{\text {intermediate }}>=0.15$ |
| MPI-139 | $<r_{\text {mbL }}>=0.68$ | $<r_{\text {intermediate }}>=0.16$ |
| MPI-123 | $<r_{\text {mbL }}>=0.66$ | $<r_{\text {intermediate }}>=0.14$ |
| MPI-089 | $\left\langle r_{\text {mbL }}>=0.65\right.$ | $<r_{\text {intermediate }}>=0.14$ |
| MPI-147 | $\left\langle r_{\text {mbL }}>=0.68\right.$ | $<r_{\text {intermediate }}>=0.19$ |
| MPI-028 | $\left\langle r_{\text {mbL }}>=0.63\right.$ | $<\mathrm{r}_{\text {intermediate }}>=0.16$ |
| MPI-006 | $<r_{\text {mbL }}>=0.58$ | $<r_{\text {intermediate }}>=0.15$ |
| MPI-078 | $\left\langle\mathrm{r}_{\text {mbL }}\right\rangle=0.52$ | $<r_{\text {intermediate }}>=0.15$ |
| MPI-065 | $<r_{\text {mbL }}>=0.57$ | $<r_{\text {intermediate }}>=0.21$ |
| MPI-002 | $<r_{\text {mbL }}>=0.42$ | $<r_{\text {intermediate }}>=0.08$ |
| MPI-090 | $\left\langle r_{\text {mbL }}\right\rangle=0.41$ | $<r_{\text {intermediate }}>=0.07$ |



| MPI-121 | $<r_{\text {intermediate }}>=0.12$ | $\left\langle r_{\text {mBL }}\right\rangle=0.09$ |
| :---: | :---: | :---: |
| MPI-059 | $<\mathrm{r}_{\text {intermediate }}>=0$ | $<\mathrm{r}_{\text {non-mBL }}>=0$ |
| MPI-064 | $<r_{\text {intermediate }}>=0.12$ | $\left.<r_{\text {mBL }}\right\rangle=0.14$ |
| MPI-099 | $<r_{\text {intermediate }}>=0.09$ | $<\mathrm{r}_{\text {mbL }}>=0.12$ |
| MPI-161 | $<r_{\text {intermediate }}>=-0.06$ | $\left\langle\mathrm{r}_{\text {non-mBL }}>=0\right.$ |
| MPI-041 | $<r_{\text {intermediate }}>=-0.07$ | $\left\langle\mathrm{r}_{\text {mbL }}\right\rangle=-0.01$ |
| MPI-143 | $\left\langle r_{\text {intermediate }}>=-0.07\right.$ | $<r_{\text {non-mBL }}>=0.02$ |
| MPI-131 | $<r_{\text {intermediate }}>=-0.04$ | $<r_{\text {non-mBL }}>=0.05$ |
| MPI-242 | $<r_{\text {intermediate }}>=-0.03$ | $<r_{\text {non-mBL }}>=0.06$ |
| MPI-093 | $<r_{\text {intermediate }}>=0.01$ | $\left\langle\mathrm{r}_{\text {mbL }}\right\rangle=0.1$ |
| MPI-187 | $<r_{\text {intermediate }}>=-0.05$ | $<r_{\text {non-mBL }}>=0.05$ |
| MPI-250 | $<\mathrm{r}_{\text {intermediate }}>=0$ | $<r_{\text {non-mbL }}>=0.1$ |
| MPI-193 | $<r_{\text {intermediate }}>=0.15$ | $\left\langle\mathrm{r}_{\text {mbL }}\right\rangle=0.26$ |
| MPI-248 | $<r_{\text {intermediate }}>=-0.05$ | $<r_{\text {non-mBL }}>=0.07$ |
| MPI-024 | $<r_{\text {intermediate }}>=-0.03$ | $<r_{\text {non-mBL }}>=0.1$ |
| MPI-225 | $<r_{\text {intermediate }}>=0.12$ | $\left\langle\mathrm{r}_{\text {mbL }}\right\rangle=0.25$ |
| MPI-124 | $<r_{\text {intermediate }}>=0.01$ | $\left\langle\mathrm{r}_{\text {mBL }}\right\rangle=0.15$ |
| MPI-216 | $<r_{\text {intermediate }}>=0.06$ | $\left\langle\mathrm{r}_{\text {mBL }}\right\rangle=0.21$ |
| MPI-175 | $<r_{\text {intermediate }}>=-0.01$ | $<r_{\text {non-mBL }}>=0.16$ |
| MPI-222 | $<r_{\text {intermediate }}>=0.09$ | $\left\langle\mathrm{r}_{\text {mBL }}\right\rangle=0.26$ |
| MPI-112 | $<r_{\text {intermediate }}>=-0.1$ | $\left\langle r_{\text {non-mBL }}>=0.08\right.$ |
| MPI-169 | $<r_{\text {intermediate }}>=0.12$ | $\left\langle\mathrm{r}_{\text {mBL }}\right\rangle=0.3$ |
| MPI-116 | $<r_{\text {intermediate }}>=-0.02$ | $\left\langle\mathrm{r}_{\text {mBL }}\right\rangle=0.16$ |
| MPI-06 | $<r_{\text {intermediate }}>=-0.01$ | $\left\langle\mathrm{r}_{\text {mbL }}\right\rangle=0.17$ |
| MPI-249 | $\left\langle r_{\text {intermediate }}>=-0.07\right.$ | $<r_{\text {non-mBL }}>=0.17$ |
| MPI-046 | $<r_{\text {intermediate }}>=0.15$ | $<\mathrm{r}_{\text {mbL }}>=0.4$ |
| MPI-162 | $<r_{\text {intermediate }}>=0.08$ | $\left\langle\mathrm{r}_{\text {mbL }}\right\rangle=0.33$ |
| MPI-011 | $<r_{\text {intermediate }}>=0.09$ | $\left\langle\mathrm{r}_{\text {mbL }}\right\rangle=0.34$ |
| MPI-094 | $<r_{\text {intermediate }}>=0.06$ | $\left\langle\mathrm{r}_{\text {mBL }}\right\rangle=0.32$ |
| MPI-165 | $<r_{\text {intermediate }}>=0.08$ | $\left.<\mathrm{r}_{\text {mbL }}\right\rangle=0.34$ |
| MPI-060 | $<r_{\text {intermediate }}>=0.02$ | $\left.<r_{\text {mBL }}\right\rangle=0.28$ |
| MPI-126 | $<r_{\text {intermediate }}>=-0.13$ | $<r_{\text {non-mBL }}>=0.14$ |
| MPI-107 | $<r_{\text {intermediate }}>=-0.08$ | $<r_{\text {non-mBL }}>=0.19$ |
| MPI-245 | $<r_{\text {intermediate }}>=-0.07$ | $<\mathrm{r}_{\text {non-mBL }}>=0.21$ |
| MPI-070 | $<r_{\text {intermediate }}>=0.1$ | $\left\langle\mathrm{r}_{\text {mbL }}\right\rangle=0.41$ |
| MPI-026 | $<r_{\text {intermediate }}>=0.16$ | $\left.<\mathrm{r}_{\text {mbL }}\right\rangle=0.5$ |
| MPI-050 | $<r_{\text {intermediate }}>=0.11$ | $\left\langle r_{\text {mBL }}\right\rangle=0.46$ |
| MPI-007 | $<r_{\text {intermediate }}>=0.12$ | $\left.<r_{\text {mBL }}\right\rangle=0.48$ |
| MPI-054 | $<r_{\text {intermediate }}>=0.07$ | $\left.<r_{\text {mBL }}\right\rangle=0.48$ |
| MPI-104 | $<r_{\text {intermediate }}>=0.19$ | $\left\langle\mathrm{r}_{\text {mBL }}\right\rangle=0.62$ |
| MPI-120 | $<r_{\text {intermediate }}>=0.22$ | $\left.<\mathrm{r}_{\text {mbL }}\right\rangle=0.65$ |
| MPI-038 | $<r_{\text {intermediate }}>=0.14$ | $<\mathrm{r}_{\text {mbL }}>=0.59$ |
| MPI-036 | $<r_{\text {intermediate }}>=0.12$ | $\left.<\mathrm{r}_{\text {mbL }}\right\rangle=0.57$ |
| MPI-072 | $<r_{\text {intermediate }}>=0.17$ | $<\mathrm{r}_{\text {mbL }}>=0.63$ |
| MPI-051 | $<r_{\text {intermediate }}>=0.2$ | $<r_{\text {mBL }}>=0.67$ |
| MPI-117 | $<r_{\text {intermediate }}>=0.22$ | $\left\langle\mathrm{r}_{\text {mbL }}\right\rangle=0.73$ |
| MPI-037 | $<r_{\text {intermediate }}>=0.2$ | $\left\langle\mathrm{r}_{\text {mbL }}\right\rangle=0.73$ |
| MPI-148 | $<r_{\text {intermediate }}>=0.14$ | $\left\langle\mathrm{r}_{\text {mbL }}\right\rangle=0.71$ |




