

Table S2: Partial Least Squares (PLS) Analysis of Shape

| <u>PLS Axis</u> | <u>Singular Value</u> | <u>P-value</u> | <u>% Total Covariation</u> | <u>Correlation</u> | <u>P-value</u> |
|-----------------|-----------------------|----------------|----------------------------|--------------------|----------------|
| 1 | 0.0007 | <.0001 | 45.7 | 0.92 | <.0001 |
| 2 | 0.0006 | <.0001 | 25.3 | 0.83 | <.0001 |
| 3 | 0.0004 | <.0001 | 13.1 | 0.82 | <.0001 |
| 4 | 0.0003 | <.0001 | 6.6 | 0.72 | <.0001 |
| 5 | 0.0002 | <.0001 | 2.7 | 0.74 | <.0001 |
| 6 | 0.0002 | <.0001 | 2.0 | 0.56 | <.0001 |
| 7 | 0.0001 | <.0001 | 0.8 | 0.69 | <.0001 |
| 8 | 0.0001 | <.0001 | 0.7 | 0.65 | <.0001 |
| 9 | 0.0001 | <.0001 | 0.6 | 0.62 | <.0001 |