

Table S4. Data for sensitivity test 3: musculature ratios.

| Model | Musculature | SE (J) | m1 (N) | workTMJ (N) | balTMJ (N) |
|----------------|--------------------|---------------|---------------|--------------------|-------------------|
| J20101214TSA25 | 0-0-100 | 0.0622 | 329.29 | 433.45 | 287.53 |
| J20101214TSA24 | 0-100-0 | 0.0314 | 218.84 | 394.82 | 255.06 |
| J20101213TSA19 | 50-35-15 | 0.023 | 289.81 | 216.55 | 236.55 |
| J20101213TSA20 | 55-30-15 | 0.0226 | 261.47 | 210.22 | 221.82 |
| J20101213TSA13 | 55-35-10 | 0.0252 | 293.79 | 222.58 | 242.57 |
| J20101213TSA21 | 60-25-15 | 0.0255 | 305.34 | 208.90 | 247.46 |
| J20101214TSA22 | 65-25-10 | 0.0282 | 310.10 | 222.08 | 256.10 |
| J20101214TSA23 | 100-0-0 | 0.0496 | 368.57 | 325.61 | 334.49 |