S2 Table. The effects on HrQoL in the ADIRA trial (sensitivity analyses). Modelled estimates of differences in effects of a proposed anti-inflammatory diet (intervention) compared to a diet nutritionally alike usual Swedish intake (control) in sensitivity analyses in the randomized controlled crossover trial ADIRA\textsuperscript{a}.

|          | Completers\textsuperscript{b} | Compliers\textsuperscript{c} | Generalized logistic mixed model\textsuperscript{d} |       |       |       |       |       |       |       |       |       |
|----------|-------------------------------|-------------------------------|-------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          | Mean diff. (95% CI)           | p-value                       | Mean diff. (95% CI)                              | p-value | <Median, % | SE | <Median, % | SE | Diff. | 95% CIs | p-value |
| HAQ\textsuperscript{e} | -0.049 (-0.174, 0.076)       | 0.436                         | -0.002 (-0.130, 0.126)                           | 0.978 | 39.7 | 10.7 | 38.2 | 10.2 | 1.5 | -26.1, 29.0 | 0.915 |
| SF-36\textsuperscript{e} |                               |                               |                                                |       |       |       |       |       |       |       |       |
| PF       | 5.507 (5.164, 11.577)         | 0.075                         | 5.697 (5.506, 11.900)                            | 0.071 | 35.4 | 11.3 | 58.2 | 10.9 | -22.8 | -54.7, 9.1 | 0.160 |
| RP       | 0.182 (8.272, 8.635)          | 0.996                         | -0.677 (-9.735, 8.380)                          | 0.880 | 46.2 | 10.2 | 51.6 | 9.6  | -5.3  | -31.3, 20.7 | 0.685 |
| BP       | 1.285 (4.869, 7.439)          | 0.679                         | 0.724 (-5.697, 7.144)                           | 0.823 | 47.9 | 9.5  | 45.8 | 9.6  | 2.1   | -24.7, 28.9 | 0.874 |
| GH       | -3.765 (-8.806, 1.276)        | 0.138                         | -3.944 (-8.675, 0.788)                          | 0.100 | 55.3 | 10.7 | 42.3 | 10.2 | 13.0  | -16.7, 42.7 | 0.388 |
| PCS      | -0.114 (-2.503, 2.275)        | 0.925                         | 0.046 (-2.404, 2.496)                           | 0.970 | 44.7 | 11.0 | 53.1 | 10.7 | -8.4  | -38.9, 22.2 | 0.586 |
| VT       | -3.414 (-11.025, 4.198)       | 0.370                         | -3.119 (-11.044, 4.806)                         | 0.436 | 49.0 | 10.3 | 44.8 | 9.0  | 4.3   | -23.0, 31.5 | 0.755 |
| SF       | -1.331 (-9.403, 6.740)        | 0.744                         | -1.656 (-9.881, 6.570)                          | 0.690 | 48.5 | 9.5  | 51.3 | 8.7  | -2.8  | -27.9, 22.4 | 0.828 |
| RE       | 4.503 (-1.550, 10.556)        | 0.140                         | 2.249 (-4.646, 9.144)                           | 0.513 | 38.0 | 10.2 | 47.0 | 10.3 | -9.1  | -34.5, 16.4 | 0.481 |
| MH       | 1.683 (-3.893, 7.259)         | 0.544                         | 0.604 (-5.080, 6.287)                           | 0.831 | 51.8 | 11.6 | 52.9 | 11.4 | -1.1  | -30.1, 28.0 | 0.942 |
| MCS      | 0.432 (-2.602, 3.466)         | 0.775                         | -0.083 (-3.260, 3.095)                          | 0.958 | 62.0 | 11.8 | 52.5 | 11.3 | 9.5   | -18.7, 37.6 | 0.504 |
| Variable                      | Mean (95% CI) | SE  | Mean (95% CI) | SE  | Mean (95% CI) | SE  | Mean (95% CI) | SE  | Mean (95% CI) | SE  |
|-------------------------------|---------------|-----|---------------|-----|---------------|-----|---------------|-----|---------------|-----|
| VAS Pain (mm)<sup>e</sup>     | -1.629        | 0.742 | -1.952        | 0.705 | 51.8          | 8.4 | 46.3          | 8.1 | 5.5          | -17.4, 28.4 |
| VAS Fatigue (mm)<sup>e</sup>  | -2.230        | 0.646 | -0.064        | 0.990 | 47.1          | 8.3 | 50.7          | 8.0 | -3.6         | -26.6, 19.4 |
| VAS Morning stiffness (mm)<sup>e</sup> | 2.620        | 0.520 | 4.638         | 0.255 | 46.6          | 9.0 | 53.5          | 9.1 | -6.9         | -32.5, 18.7 |
| Morning stiffness (min)<sup>e</sup> | 4.754        | 0.512 | 7.922         | 0.274 | 44.9          | 8.8 | 43.3          | 8.7 | 1.6          | -22.6, 25.9 |

ADIRA, Anti-inflammatory Diet In Rheumatoid Arthritis; Diff., Difference; HAQ, Health Assessment Questionnaire; HrQoL, Health-related Quality of Life; SE, Standard error; SF-36, 36-item Short Form Health Survey (PF, Physical Functioning; RP, Role-Physical; BP, Bodily Pain; GH, General Health; PCS, Physical Component Summary; VT, Vitality; SF, Social Functioning; RE, Role-Emotional; MH, Mental Health; MCS, Mental Component Summary); VAS, Visual Analogue Scale.

<sup>a</sup> Values represent the end of diet periods. Differences = Intervention – Control

<sup>b</sup> Including only participants completing both diet periods (n = 44)

<sup>c</sup> Including only diet periods deemed to have been performed with good compliance to the diets (n = 47)

<sup>d</sup> Including participants completing ≥1 diet period (n = 47).

<sup>e</sup> Linear mixed model with period, treatment, sequence and baseline value as fixed effects and subject as random effect.