### Supplementary Table 2. Results from the assessment of MRI images of female subjects

#### Calcaneus assessment results - female subjects

| Stage | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | Total |
|-------|----|----|----|----|----|----|----|----|-------|
| Stage4a | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1     |
| Stage4b | 3  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 3     |
| Stage4c | 12 | 6  | 2  | 1  | 0  | 0  | 0  | 0  | 21    |
| Stage5  | 43 | 52 | 55 | 59 | 59 | 57 | 57 | 57 | 60    |
| **Total** | 59 | 58 | 57 | 59 | 59 | 57 | 57 | 57 | 60    |
| **Total** | 442| 59 | 58 | 57 | 60 | 467|

#### Distal Tibia assessment results - female subjects

| Stage | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | Total |
|-------|----|----|----|----|----|----|----|----|-------|
| Stage4a | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 2     |
| Stage4b | 6  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 6     |
| Stage4c | 21 | 9  | 4  | 1  | 0  | 0  | 0  | 0  | 35    |
| Stage5  | 30 | 49 | 53 | 59 | 59 | 57 | 57 | 57 | 60    |
| **Total** | 59 | 58 | 57 | 60 | 59 | 57 | 57 | 57 | 60    |
| **Total** | 424| 59 | 58 | 57 | 60 | 467|

#### Proximal Tibia assessment results - female subjects

| Stage | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | Total |
|-------|----|----|----|----|----|----|----|----|-------|
| Stage4a | 10 | 3  | 0  | 0  | 0  | 0  | 0  | 0  | 13    |
| Stage4b | 10 | 4  | 0  | 0  | 0  | 0  | 0  | 0  | 14    |
| Stage4c | 28 | 22 | 7  | 2  | 0  | 0  | 0  | 0  | 59    |
| Stage5  | 11 | 29 | 50 | 58 | 59 | 57 | 57 | 57 | 60    |
| **Total** | 59 | 58 | 57 | 60 | 59 | 57 | 57 | 57 | 60    |
| **Total** | 381| 59 | 58 | 57 | 60 | 467|

#### Distal Femur assessment results - female subjects

| Stage | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | Total |
|-------|----|----|----|----|----|----|----|----|-------|
| Stage4a | 19 | 7  | 0  | 0  | 0  | 0  | 0  | 0  | 26    |
| Stage4b | 19 | 11 | 2  | 1  | 0  | 0  | 0  | 0  | 33    |
| Stage4c | 17 | 18 | 16 | 8  | 1  | 0  | 0  | 0  | 60    |
| Stage5  | 4  | 22 | 39 | 51 | 58 | 57 | 57 | 60 | 348   |
| **Total** | 59 | 58 | 57 | 60 | 59 | 57 | 57 | 57 | 60    |
| **Total** | 306| 59 | 58 | 57 | 60 | 467|

#### Radius assessment results - female subjects

| Stage | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | Total |
|-------|----|----|----|----|----|----|----|----|-------|
| Stage3 | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 2     |
| Stage4a| 26 | 13 | 3  | 1  | 0  | 0  | 0  | 0  | 43    |
| Stage4b| 18 | 11 | 8  | 1  | 0  | 0  | 0  | 0  | 38    |
| Stage4c| 11 | 26 | 22 | 13 | 6  | 0  | 0  | 0  | 78    |
| Stage5 | 2  | 8  | 24 | 45 | 53 | 57 | 57 | 57 | 60    |
| **Total** | 59 | 58 | 57 | 60 | 59 | 57 | 57 | 57 | 60    |
| **Total** | 306| 59 | 58 | 57 | 60 | 467|