

**Table S1.** Bone biomarkers according to metastatic compartment.

| Characteristic                                           | BOM         | BESM       | <i>p</i> -Value |
|----------------------------------------------------------|-------------|------------|-----------------|
| <b>Baseline assessment</b>                               |             |            |                 |
| Uncorrected uNTX, nmol BCE/mmol creatinine               |             |            |                 |
| Median                                                   | 513         | 434        |                 |
| P25–P75                                                  | 246–1214    | 209–1040   |                 |
| Min.–max.                                                | 63–18,571   | 63–28,571  | 0.044           |
| Corrected uNTX, nmol BCE/mmol creatinine                 |             |            |                 |
| Median                                                   | 48          | 48         |                 |
| P25–P75                                                  | 27–100      | 25–85      | 0.277           |
| Min.–max.                                                | 4–3 904     | 4–1 786    |                 |
| Corrected NTX, <i>n</i> (%)                              |             |            |                 |
| High                                                     | 628 (42.6)  | 131 (40.1) |                 |
| Normal                                                   | 848 (57.5)  | 196 (59.9) | 0.410           |
| bALP, ng/mL                                              |             |            |                 |
| Median                                                   | 31          | 29         |                 |
| P25–P75                                                  | 17–74       | 17–75      | 0.899           |
| Min.–max.                                                | 4–1 363     | 0–1941     |                 |
| bALP, <i>n</i> (%)                                       |             |            |                 |
| High                                                     | 1012 (66.9) | 221 (66.2) |                 |
| Normal                                                   | 500 (33.1)  | 113 (33.8) | 0.789           |
| <b>3-month assessment</b>                                |             |            |                 |
| Uncorrected uNTX, nmol BCE/mmol creatinine               |             |            |                 |
| Median                                                   | 71          | 77         |                 |
| P25–P75                                                  | 63–162      | 63–161     | 0.796           |
| Min.–max.                                                | 63–17,984   | 63–5802    |                 |
| Corrected uNTX, nmol BCE/mmol creatinine                 |             |            |                 |
| Median                                                   | 9           | 10         |                 |
| P25–P75                                                  | 6–21        | 6–21       | 0.428           |
| Min.–max.                                                | 2–1754      | 3–556      |                 |
| Corrected uNTX, <i>n</i> (%)                             |             |            |                 |
| High                                                     | 113 (9.1)   | 19 (7.4)   |                 |
| Normal                                                   | 1136 (90.9) | 237 (92.6) | 0.402           |
| Corrected uNTX normalization <sup>1</sup> , <i>n</i> (%) |             |            |                 |
| Yes                                                      | 364 (80.2)  | 77 (85.6)  |                 |
| No                                                       | 90 (19.8)   | 13 (14.4)  | 0.234           |
| bALP, ng/mL                                              |             |            |                 |
| Median                                                   | 20          | 20         |                 |
| P25–P75                                                  | 11–67       | 11–61      | 0.916           |
| Min.–max.                                                | 3–1461      | 4–640      |                 |
| bALP, <i>n</i> (%)                                       |             |            |                 |
| High                                                     | 622 (50.1)  | 125 (49.4) |                 |
| Normal                                                   | 620 (49.9)  | 128 (50.6) | 0.845           |
| bALP normalization <sup>1</sup> , <i>n</i> (%)           |             |            |                 |
| Yes                                                      | 236 (29.0)  | 56 (32.9)  |                 |
| No                                                       | 577 (71.0)  | 114 (67.1) | 0.310           |

ALP, alkaline phosphatase; BOM, bone-only metastases; BESMD, bone and extra-skeletal metastases; uNTX, urinary N-terminal telopeptide; P25, Percentile 25; P75, Percentile 75.<sup>1</sup>If elevated at baseline. Cut-off for normal uNTX <64 nmol BCE/mmol creatinine; cut-off for normal bALP <22 ng/mL, as per R. Coleman 2011 CROH [13].