

Supplementary Table 1.

Individual femur data of LH2<sup>F/F</sup> and LH2<sup>F/F</sup> OC-Cre mice used in the bone invasion model.

| Mouse ID | Group                     | Sex  | Cell line | Weight (g) | Width (mm) | Length (mm) | Notes        |
|----------|---------------------------|------|-----------|------------|------------|-------------|--------------|
| 1        | LH2 <sup>F/F</sup>        | Male | B16F10    | 0.0726     | 20         | 165         | At sacrifice |
| 2        | LH2 <sup>F/F</sup>        | Male | B16F10    | 0.072      | 18         | 160         | At sacrifice |
| 3        | LH2 <sup>F/F</sup>        | Male | B16F10    | 0.0544     | 17         | 155         | At sacrifice |
| 4        | LH2 <sup>F/F</sup>        | Male | B16F10    | 0.0474     | 17         | 155         | At sacrifice |
| 5        | LH2 <sup>F/F</sup>        | Male | B16F10    | 0.0784     | 17         | 165         | At sacrifice |
| 6        | LH2 <sup>F/F</sup> OC-Cre | Male | B16F10    | 0.0696     | 18         | 165         | At sacrifice |
| 7        | LH2 <sup>F/F</sup> OC-Cre | Male | B16F10    | 0.0573     | 20         | 155         | At sacrifice |
| 8        | LH2 <sup>F/F</sup> OC-Cre | Male | B16F10    | 0.0723     | 20         | 165         | At sacrifice |
| 9        | LH2 <sup>F/F</sup> OC-Cre | Male | B16F10    | 0.0737     | 18         | 150         | At sacrifice |
| 10       | LH2 <sup>F/F</sup> OC-Cre | Male | B16F10    | 0.069      | 22         | 165         | At sacrifice |
| 11       | LH2 <sup>F/F</sup>        | Male | MOC1      | 0.0854     | 18         | 165         | At sacrifice |
| 12       | LH2 <sup>F/F</sup>        | Male | MOC1      | 0.0803     | 17         | 160         | At sacrifice |
| 13       | LH2 <sup>F/F</sup>        | Male | MOC1      | 0.0844     | 18         | 170         | At sacrifice |
| 14       | LH2 <sup>F/F</sup>        | Male | MOC1      | 0.0902     | 18         | 165         | At sacrifice |
| 15       | LH2 <sup>F/F</sup>        | Male | MOC1      | 0.082      | 20         | 155         | At sacrifice |
| 16       | LH2 <sup>F/F</sup> OC-Cre | Male | MOC1      | 0.0862     | 19         | 160         | At sacrifice |
| 17       | LH2 <sup>F/F</sup> OC-Cre | Male | MOC1      | 0.0859     | 20         | 170         | At sacrifice |
| 18       | LH2 <sup>F/F</sup> OC-Cre | Male | MOC1      | 0.096      | 18         | 165         | At sacrifice |
| 19       | LH2 <sup>F/F</sup> OC-Cre | Male | MOC1      | 0.0919     | 20         | 165         | At sacrifice |
| 20       | LH2 <sup>F/F</sup> OC-Cre | Male | MOC1      | 0.085      | 21         | 150         | At sacrifice |