**Figure 4- source data 2: Main physiological variables of mice studied in Figure 4**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Genotype | Treatment  (concentration) | N | MAP  (mmHg) | pCO2  (mmHg) | pO2  (mmHg) | pH |
| WT | Vehicle | 5 | 81±2 | 36±1 | 127±2 | 7.34±0.01 |
| sHB-EGF (20 nM) | 5 | 81±2 | 36±1 | 125±4 | 7.35±0.01 |
| sHB-EGF (20 nM) +  AG1478 (20µM) | 5 | 80±2 | 35±1 | 124±4 | 7.35±0.01 |
| WT | Vehicle | 5 | 80±2 | 35±2 | 125±3 | 7.35±0.01 |
| TIMP3 (40 nM) | 5 | 80±3 | 35±2 | 125±3 | 7.35±0.02 |
| TIMP3 (40 nM) +  sHB-EGF (20 nM) | 5 | 80±3 | 35±2 | 125±3 | 7.35±0.02 |
| WT | Vehicle | 5 | 80±2 | 36±1 | 126±6 | 7.35±0.01 |
| GW (5 µM) | 5 | 81±3 | 36±1 | 126±4 | 7.36±0.01 |
| GW (5 µM) +  sHB-EGF (20 nM) | 5 | 80±2 | 36±1 | 128±5 | 7.35±0.02 |

All mice used in these studies are 2-month-old wild-type males. MAP, mean arterial pressure