**Supplemental table 3.**

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| --- | --- | --- |
| **Receptor** | **Direct activation by 10 μM 3α5αP** | **Direct activation by 10 μM 3α5βP** |
| α1β3 wild-type | 0.034±0.012 (5) | 0.110±0.052 (4) |
|  |  |  |
| α1F407Aβ3 | 0.073±0.035 (5) | 0.036±0.020 (5) |
| α1N408A/Y411Fβ3 | 0.019±0.0078 (5) | - |
| α1W412Aβ3 | 0.081±0.042 (5) | 0.070±0.027 (5) |
| α1W412Lβ3 | 0.18±0.10 (8) | 0.41±0.17 (5)\*\*\* |
| α1Y415Aβ3 | 0.44±0.13 (7)\*\*\* | 0.28±0.09 (10)\* |
| α1F289Aβ3 | 0.089±0.014 (4) | 0.057±0.011 (4) |
| α1V227Wβ3 | 0.012±0.017 (9)\* | 0.016±0.009 (5)\* |
|  |  |  |
| α1β3F438A | 0.095±0.123 (8) | 0.089±0.049 (5) |
| α1β3W443A | 0.10±0.05 (5) | 0.071±0.031 (5) |
| α1β3W443L | 0.017±0.011 (5) | 0.018±0.015 (5) |
| α1β3Y445A | 0.75±0.26 (7)\*\*\* | 0.66±0.10 (5)\*\*\* |
| α1β3Y284F | 0.11±0.07 (6) | 0.09±0.05 (4) |
| α1β3I222W | 0.23±0.26 (9) | 0.25±0.18 (10) |
|  |  |  |
|  |  |  |