|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sensor | Dynamic range (Fmax/Fmin) | Kd  (nM) | Hill coefficient | koff  (s-1) | pKa, apo | pKa, sat | εapo  (x1000)  (M-1cm-1) | εsat  (x1000) |
| R-GECO1 | 12.0 ± 0.4 | 337 ± 8 | 2.00 ± 0.04 | 7.0 | 8.7 | 6.4 | 5.34 | 54.9 |
| jRGECO1a | 11.6 ± 0.4 | 148 ± 2 | 1.90 ± 0.02 | 7.6 | 8.6 | 6.3 | 6.18 | 53.3 |
| RCaMP1h | 12.6 ± 0.6 | 1127 ± 35 | 2.20 ± 0.06 | 1.9 | 7.1 | 5.7 | 20.8 | 63.6 |
| jRCaMP1a | 3.2± 0.1 | 214 ± 10 | 0.86 ± 0.01 | 0.44 | 5.6 | 6.4 | 33.8 | 54.1 |
| jRCaMP1b | 7.2 ± 0.1 | 712 ± 9 | 1.60 ± 0.01 | 2.5 | 6.4 | 5.5 | 25.3 | 53.4 |