**Table S1. Curve classification of concentration-response curves**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Curve Class** | **Asymptotes** | ***r2*** | **Efficacy** | **Description** |
| **1.1** | **2****(higher and lower)** | **>** 0.9 | >80% | Complete curve; good fit; high efficacy |
| **1.2** | Min - 80% | Complete curve; good fit; partial efficacy |
| **1.3** | **<** 0.9 | >80% | Complete curve; poor fit; high efficacy |
| **1.4** | Min - 80% | Complete curve; poor fit; partial efficacy |
| **2.1** | **1 (lower)** | **>** 0.9 | >80% | Partial curve; good fit; high efficacy |
| **2.2** | Min - 80% | Partial curve; good fit; partial efficacy |
| **2.3** | **<** 0.9 | >80% | Partial curve; poor fit; high efficacy |
| **2.4** | Min - 80% | Partial curve; poor fit; partial efficacy |
| **3** | **1 (lower)** |  | > Min. | Single point of activity |
| **4** | **None** |  | < Min | Inactive |
| **5** | **None** |  | < Min | Inconclusive |

\* Classification as published in Inglese *et al.* 2006 (23). Min, minimal.