**S1 Table. Initial conditions for the extended multiscale model.**

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| --- | --- | --- | --- |
| **MOI condition** | **Figure** | **Submodel** | **Non-zero initial conditions** |
| MOI 73 | Fig 2, 3, 4,Fig 6 (dotted),Fig S1, S3 | intracellular model |  |
|  |  |
| reduced intracellular model |  |
|  |  |
| extracellular model |  |
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| MOI 3 | Fig 5A-C (dashed),Fig 6 (dash-dotted) | intracellular model |  |
|  |  |
| reduced intracellular model |  |
|  |  |
| extracellular model |  |
|  |
|  |
|  |
|  |
| MOI 10-4 | Fig 5D-F (dashed), Fig 6 (solid) | intracellular model |  |
|  |  |
| reduced intracellular model |  |
|  |  |
| extracellular model |  |