**Supplementary Table 4. Reactions related to dopamine metabolism present only in control metabolic models**

|  |  |  |
| --- | --- | --- |
| **Reaction ID** | **Pathway** | **Reaction** |
| 'DOPAENT4tc' | 'Transport, extracellular' | 'h[e] + dopa[e] <=> h[c] + dopa[c] ' |
| 'r2494' | 'Transport, extracellular' | 'hco3[e] + dopa[c] + HC02199[e] -> hco3[c] + dopa[e] + HC02199[c] ' |
| 'r2495' | 'Transport, extracellular' | 'hco3[e] + dopa[c] + HC02200[e] -> hco3[c] + dopa[e] + HC02200[c] ' |
| 'r2496' | 'Transport, extracellular' | 'hco3[e] + dopa[c] + HC02201[e] -> hco3[c] + dopa[e] + HC02201[c] ' |