**Table**: List of reconstructions that were used in the studies (*1*) and (*2*). The reconstructions were adapted to the reaction and metabolite namespace of Recon2 and in some cases slightly modified (described in the Supplemental Material in ref. (*1*)). Please cite the references for the original publications (see table below) if you use the reconstructions.

|  |  |  |  |
| --- | --- | --- | --- |
| **Reconstructed Organism** | **Version** | **File name** | **Original reference** |
| *Bacteroides thetaiotaomicron* VPI-5482 | iAH991 | iAH991.xml | (*3*) |
| *Faecalibacterium prausnitzii* A2-165 | iFpraus\_v1.0 | iFpraus\_v\_1\_0.xml | (*4*) |
| *Escherichia coli* K-12 substr. MG1655 | iEco1339\_Mg1655 | iEco1339\_Mg1655.xml | (*5*) |
| *Lactobacillus plantarum* WCFS1 | Unnamed | Lactobacillus\_plantarum\_WCFS1.xml | (*6*) |
| *Lactococcus lactis* subsp. cremoris MG1363 | Unnamed | Lactococcus\_lactis\_MG1363.xml | (*7*) |
| *Streptococcus thermophilus* LMG18311 | Unnamed | Streptococcus\_thermophilis\_LMG18311.xml | (*8*) |
| *Helicobacter pylori* 26695 | iIT341 | iIT341.xml | (*9*) |
| *Klebsiella pneumoniae* MGH 78578 | iYL1228 | iYL1228.xml | (*10*) |
| *Salmonella enterica* subsp. typhimurium LT2 | STM\_v1.0 | STM\_v1\_0.xml | (*11*) |
| *Escherichia coli* O157:H7 strain Sakai | iEco1345\_Sakai | iEco1345\_Sakai.xml | (*5*) |
| *Escherichia coli* O157:H7 strain EDL933 | iEco1344\_EDL933 | iEco1344\_EDL933.xml | (*5*) |

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