

## Selected Genome Based

### Insilico Strains

Organism	Strain/Cell Type	Reactions	Pathways	Genes	Compounds
Bacillus subtilis	168	1,746	11	945 <sup>1</sup>	997
Clostridium acetobutylicum	ATCC 824	512	64	297	321
Corynebacterium glutamicum	ATCC 13032	757	100	537	594
Escherichia coli	K-12 MG1655	1,324	143	1,090 <sup>2</sup>	842
Lactobacillus johnsonii	NCC 533	262	48	200	232
Lactobacillus plantarum	WCFS1	451	70	366	315
Pseudomonas putida	KT 2440	972	92	649 <sup>3</sup>	604
Sinorhizobium meliloti	1021	319	73	326	229
Streptomyces coelicolor	A3(2)	957	80	658	604
Xanthomonas campestris	ATCC 33913	811	57	397	431
Chinese hamster (CHO)	Ovarian	1,433	125	505	970
Mus musculus	n.s.	1,134	66	489	888
Homo sapiens	Hepatic	426	41	n.s.	459
Candida albicans	SC5314	1,373	92	763	619
Saccharomyces cerevisiae	S288C	1,166	73	895	798

All strains referring to a central compound database comprising more than 2,000 entries.

Network capabilities can be extended by more than 5,000 heterologous genes from more than 60 organisms.

<sup>1</sup> Includes 120 genes coding for transcription factors

<sup>2</sup> Includes 156 genes coding for transcription factors

<sup>3</sup> Including genes from plasmids pWW0 and alk