

Table S2

Pathway Map	Organism	Reactions	Reversible	Hyperedges	Metabolites
Glycolysis / gluconeogenesis (MAP00010)	Reference Network	47	38	85	58
	<i>P. aeruginosa</i> LESB58	20	18	38	33
	<i>P. aeruginosa</i> PA14	23	21	44	37
	<i>P. aeruginosa</i> PA7	20	18	38	33
	<i>P. aeruginosa</i> PAO1	25	23	48	39
	<i>P. entomophila</i> L48	23	21	44	36
	<i>P. fluorescens</i> Pf0-1	26	24	50	38
	<i>P. fluorescens</i> Pf-5	26	24	50	40
	<i>P. fluorescens</i> SBW25	23	21	44	35
	<i>P. mendocina</i> ymp	22	20	42	35
	<i>P. putida</i> F1	24	22	46	38
	<i>P. putida</i> GB-1	21	19	40	34
	<i>P. putida</i> KT2440	25	23	48	39
	<i>P. putida</i> W619	22	20	42	35
	<i>P. stutzeri</i> A1501	25	23	48	38
	<i>P. syringae</i> pv. phaseolicola 1448A	25	23	48	38
	<i>P. syringae</i> pv. syringae B728a	25	23	48	38
<i>P. syringae</i> pv. tomato DC3000	25	23	48	38	
Pentose phosphate pathway (MAP00030)	Reference Network	42	40	82	57
	<i>P. aeruginosa</i> LESB58	21	20	41	37
	<i>P. aeruginosa</i> PA14	26	25	51	40
	<i>P. aeruginosa</i> PA7	25	24	49	40
	<i>P. aeruginosa</i> PAO1	26	25	51	40
	<i>P. entomophila</i> L48	22	21	43	36
	<i>P. fluorescens</i> Pf0-1	27	26	53	42
	<i>P. fluorescens</i> Pf-5	28	28	56	42
	<i>P. fluorescens</i> SBW25	22	21	43	38
	<i>P. mendocina</i> ymp	19	18	37	33
	<i>P. putida</i> F1	27	26	53	42
	<i>P. putida</i> GB-1	25	24	49	41
	<i>P. putida</i> KT2440	26	25	51	41
	<i>P. putida</i> W619	25	24	49	41
	<i>P. stutzeri</i> A1501	20	19	39	31
	<i>P. syringae</i> pv. phaseolicola 1448A	27	26	53	41
	<i>P. syringae</i> pv. syringae B728a	27	26	53	41
<i>P. syringae</i> pv. tomato DC3000	27	26	53	41	
Lysine degradation (MAP00310)	Reference Network	55	30	85	83
	<i>P. aeruginosa</i> LESB58	5	5	10	14
	<i>P. aeruginosa</i> PA14	7	6	13	19
	<i>P. aeruginosa</i> PA7	6	6	12	17
	<i>P. aeruginosa</i> PAO1	7	6	13	19
	<i>P. entomophila</i> L48	11	7	18	29
	<i>P. fluorescens</i> Pf0-1	8	6	14	23
	<i>P. fluorescens</i> Pf-5	9	7	16	25
	<i>P. fluorescens</i> SBW25	6	5	11	19
	<i>P. mendocina</i> ymp	9	7	16	25
	<i>P. putida</i> F1	8	7	15	21
	<i>P. putida</i> GB-1	6	6	12	17
	<i>P. putida</i> KT2440	7	6	13	19
	<i>P. putida</i> W619	7	6	13	19
	<i>P. stutzeri</i> A1501	7	6	13	19
	<i>P. syringae</i> pv. phaseolicola 1448A	7	4	11	22
	<i>P. syringae</i> pv. syringae B728a	6	5	11	19
<i>P. syringae</i> pv. tomato DC3000	7	5	12	24	

(continued)

Pathway Map	Organism	Reactions	Reversible	Hyperedges	Metabolites
Histidine metabolism (MAP00340)	Reference Network	49	17	66	70
	<i>P. aeruginosa</i> LESB58	14	11	25	30
	<i>P. aeruginosa</i> PA14	16	12	28	33
	<i>P. aeruginosa</i> PA7	14	11	25	30
	<i>P. aeruginosa</i> PAO1	16	11	27	35
	<i>P. entomophila</i> L48	18	12	30	38
	<i>P. fluorescens</i> Pf0-1	17	11	28	34
	<i>P. fluorescens</i> Pf-5	18	11	29	37
	<i>P. fluorescens</i> SBW25	15	11	26	32
	<i>P. mendocina</i> ymp	14	11	25	28
	<i>P. putida</i> F1	16	12	28	34
	<i>P. putida</i> GB-1	15	12	27	32
	<i>P. putida</i> KT2440	16	12	28	34
	<i>P. putida</i> W619	16	12	28	34
	<i>P. stutzeri</i> A1501	11	7	18	28
	<i>P. syringae</i> pv. phaseolicola 1448A	17	10	27	36
	<i>P. syringae</i> pv. syringae B728a	15	11	26	32
	<i>P. syringae</i> pv. tomato DC3000	15	11	26	32
	Phenylalanine metabolism (MAP00360)	Reference Network	59	21	80
<i>P. aeruginosa</i> LESB58		8	5	13	26
<i>P. aeruginosa</i> PA14		8	5	13	26
<i>P. aeruginosa</i> PA7		9	6	15	27
<i>P. aeruginosa</i> PAO1		8	5	13	26
<i>P. entomophila</i> L48		12	6	18	33
<i>P. fluorescens</i> Pf0-1		8	4	12	28
<i>P. fluorescens</i> Pf-5		10	5	15	31
<i>P. fluorescens</i> SBW25		12	6	18	36
<i>P. mendocina</i> ymp		5	3	8	17
<i>P. putida</i> F1		13	6	19	39
<i>P. putida</i> GB-1		11	6	17	32
<i>P. putida</i> KT2440		11	5	16	31
<i>P. putida</i> W619		19	7	26	46
<i>P. stutzeri</i> A1501		6	4	10	19
<i>P. syringae</i> pv. phaseolicola 1448A		9	5	14	29
<i>P. syringae</i> pv. syringae B728a		9	5	14	26
<i>P. syringae</i> pv. tomato DC3000		8	4	12	28
Pyruvate metabolism (MAP00620)		Reference Network	71	50	121
	<i>P. aeruginosa</i> LESB58	27	22	49	43
	<i>P. aeruginosa</i> PA14	29	24	53	44
	<i>P. aeruginosa</i> PA7	28	23	51	43
	<i>P. aeruginosa</i> PAO1	29	24	53	44
	<i>P. entomophila</i> L48	27	22	49	43
	<i>P. fluorescens</i> Pf0-1	26	21	47	40
	<i>P. fluorescens</i> Pf-5	27	20	47	43
	<i>P. fluorescens</i> SBW25	24	21	45	43
	<i>P. mendocina</i> ymp	28	22	50	46
	<i>P. putida</i> F1	29	23	52	45
	<i>P. putida</i> GB-1	25	21	46	43
	<i>P. putida</i> KT2440	24	20	44	41
	<i>P. putida</i> W619	27	23	50	44
	<i>P. stutzeri</i> A1501	28	23	51	45
	<i>P. syringae</i> pv. phaseolicola 1448A	27	22	49	43
	<i>P. syringae</i> pv. syringae B728a	27	23	50	45
	<i>P. syringae</i> pv. tomato DC3000	26	22	48	40