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## APPENDICES

### A. Total number of FFL identified from TF-operon interactions from RegulonDB

<b>X</b>	<b>Y</b>	<b>Z</b>	<b>Type</b>	<b>Biological functions</b>
<i>crp</i>	<i>galS</i>	<i>mglBAC</i>	I1-FFL	Galactose utilisation
<i>crp</i>	<i>malI</i>	<i>malXY</i>	C4-FFL	Maltose utilisation
<i>crp</i>	<i>melR</i>	<i>melAB</i>	C1-FFL	Melibiose utilisation
<i>crp</i>	<i>caiF</i>	<i>caiTABCADE</i>	C1-FFL	Carnitine metabolism
<i>crp</i>	<i>caiF</i>	<i>fixABCX</i>	C1-FFL	Carnitine metabolism
<i>crp</i>	<i>nagBACD</i>	<i>manXYZ</i>	I1-FFL	Mannose utilisation
<i>crp</i>	<i>nagBACD</i>	<i>nagE</i>	I1-FFL	Glucose utilisation
<i>crp</i>	<i>malT</i>	<i>malEFG</i>	C1-FFL	Maltose utilisation
<i>crp</i>	<i>malT</i>	<i>malK-lamB-malM</i>	C1-FFL	Maltose utilisation
<i>crp</i>	<i>malT</i>	<i>malX</i>	C1-FFL	Maltose utilisation
<i>crp</i>	<i>araC</i>	<i>araBAD</i>	C1-FFL	Arabinose utilisation
<i>crp</i>	<i>araC</i>	<i>araE</i>	C1-FFL	Arabinose utilisation
<i>crp</i>	<i>araC</i>	<i>araFGH</i>	C1-FFL	Arabinose utilisation
<i>crp</i>	<i>araC</i>	<i>araJ</i>	C1-FFL	Arabinose utilisation
<i>fnr</i>	<i>arcA</i>	<i>cydAB</i>	I3-FFL	Anaerobic respiration
<i>fnr</i>	<i>arcA</i>	<i>cyoABCDE</i>	C3-FFL	Anaerobic respiration
<i>fnr</i>	<i>arcA</i>	<i>focA-pflB</i>	C1-FFL	Anaerobic respiration
<i>fnr</i>	<i>arcA</i>	<i>glpACB</i>	I1-FFL	Anaerobic respiration
<i>fnr</i>	<i>arcA</i>	<i>icdA</i>	C3-FFL	Anaerobic respiration
<i>fnr</i>	<i>arcA</i>	<i>ndh</i>	I3-FFL	Anaerobic respiration
<i>fnr</i>	<i>arcA</i>	<i>nuoABCEFGHIJKLMN</i>	C3-FFL	Anaerobic respiration
<i>fnr</i>	<i>arcA</i>	<i>sdhCDAB-sucABCD</i>	C3-FFL	Anaerobic respiration
<i>ihf</i>	<i>ompR_envZ (ompB)</i>	<i>ompC</i>	C2-FFL	Osmoregulatory response
<i>ihf</i>	<i>ompR_envZ (ompB)</i>	<i>ompF</i>	C2-FFL	Osmoregulatory response
<i>rob</i>	<i>marRAB</i>	<i>fumC</i>	C1-FFL	Antibiotic response
<i>rob</i>	<i>marRAB</i>	<i>nfo</i>	C1-FFL	Antibiotic response
<i>rob</i>	<i>marRAB</i>	<i>sodA</i>	C1-FFL	Antibiotic response
<i>rob</i>	<i>marRAB</i>	<i>zwf</i>	C1-FFL	Antibiotic response