

**Main groups: Comparison of Essential genes in Gerdes et al., 2003 with PEC and U of W data**

<b>Set A: genes consistently essential between Gerdes et al., 2002 and PEC data</b>			
A1	viable knockouts obtained at U of W	16	2.6%
A2	no knockouts obtained at U of W	127	20.4%
<b>Set B: genes essential in Gerdes et al., 2002 but non-essential in PEC data</b>			
B1	viable knockouts obtained at U of W	91	14.6%
B2	no knockouts obtained at U of W	157	25.2%
<b>Set C: genes essential in Gerdes et al., 2002 and unassigned in PEC data</b>			
C1	viable knockouts obtained at U of W	63	10.1%
C2	no knockouts obtained at U of W	168	27.0%
<b>TOTAL</b>		<b>622</b>	<b>100.0%</b>
Overall "discrepancies" with PEC:			40%
Overall "discrepancies" with U of W:			27%

**Additional group: Genes with non-essential, undefined and ambiguous assignments in Gerdes et al., 2003 but essential in PEC data**

<b>Set D: genes non-essential in Gerdes et al., 2002 but essential in PEC data</b>			
	viable knockouts obtained at U of W	9	1.4%
	no knockouts obtained at U of W	23	3.7%
<b>Set E: genes unassigned in Gerdes et al., 2002 but essential in PEC data</b>			
	viable knockouts obtained at U of W	2	0.3%
	no knockouts obtained at U of W	18	2.9%
<b>Set E: genes with ambiguous assignments in Gerdes et al., 2002 but essential in PEC data</b>			
	viable knockouts obtained at U of W	0	0.0%
	no knockouts obtained at U of W	21	3.4%
<b>TOTAL</b>		<b>73</b>	
Overall "discrepancies" with PEC:			5%
Overall "discrepancies" with U of W:			NA