

Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0001	16	48.2%	7	26.0%	9	33.3%	4	15.6%	dnaA; chromosomal replication initiator protein DnaA								
	24	57.3%	10	34.2%	9	32.9%	7	26.4%									
SGO_0002	9	27.5%	7	24.9%	11	35.4%	4	11.9%	dnaN; DNA polymerase III, beta subunit								
	10	30.7%	7	27.8%	11	33.3%	4	11.9%									
SGO_0004	15	62.2%	11	51.7%	11	52.3%	8	43.6%	putative lipoprotein								
	14	59.3%	9	35.5%	12	52.9%	9	41.3%									
SGO_0005	8	10.9%							hypothetical protein SGO_0005								
	11	16.0%															
SGO_0006	17	41.5%	17	44.8%	21	52.2%	10	26.7%	ABC transporter, ATP-binding protein								
	20	44.8%	15	43.5%	18	45.7%	9	26.7%									
SGO_0007	8	34.7%	7	28.8%	9	34.4%	7	28.2%	trpS; tryptophanyl-tRNA synthetase								
	9	35.0%	7	29.7%	8	34.7%	5	20.6%									
SGO_0008	23	54.8%	22	62.9%	30	77.7%	20	52.3%	inosine-5'-monophosphate dehydrogenase								
	26	58.2%	26	64.5%	28	70.4%	20	57.0%									
SGO_0011	7	22.7%			3	11.3%	8	25.1%	proteinase, M16 family								
	10	27.2%	5	17.6%	4	11.6%	4	13.7%									
SGO_0012			3	13.7%					mpp; peptidase, M16 family								
	3	8.4%	4	17.2%													
SGO_0013	4	18.1%			4	18.1%			hypothetical protein SGO_0013								
	5	21.0%															
SGO_0015	8	41.6%			5	24.8%			ABC transporter (ATP-binding protein)								
	9	42.3%	3	15.0%	6	33.6%	3	15.7%									
SGO_0016	4	24.7%			4	24.0%			cbiO; ABC transporter, ATP-binding protein								
	4	17.9%			4	16.8%											

Description

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0001	16	48.2%	7	26.0%	9	33.3%	4	15.6%	dnaA; chromosomal replication initiator protein DnaA								
	24	57.3%	10	34.2%	9	32.9%	7	26.4%									
SGO_0002	9	27.5%	7	24.9%	11	35.4%	4	11.9%	dnaN; DNA polymerase III, beta subunit								
	10	30.7%	7	27.8%	11	33.3%	4	11.9%									
SGO_0004	15	62.2%	11	51.7%	11	52.3%	8	43.6%	putative lipoprotein								
	14	59.3%	9	35.5%	12	52.9%	9	41.3%									
SGO_0005	8	10.9%							hypothetical protein SGO_0005								
	11	16.0%															
SGO_0006	17	41.5%	17	44.8%	21	52.2%	10	26.7%	ABC transporter, ATP-binding protein								
	20	44.8%	15	43.5%	18	45.7%	9	26.7%									
SGO_0007	8	34.7%	7	28.8%	9	34.4%	7	28.2%	trpS; tryptophanyl-tRNA synthetase								
	9	35.0%	7	29.7%	8	34.7%	5	20.6%									
SGO_0008	23	54.8%	22	62.9%	30	77.7%	20	52.3%	inosine-5'-monophosphate dehydrogenase								
	26	58.2%	26	64.5%	28	70.4%	20	57.0%									
SGO_0011	7	22.7%			3	11.3%	8	25.1%	proteinase, M16 family								
	10	27.2%	5	17.6%	4	11.6%	4	13.7%									
SGO_0012			3	13.7%					mpp; peptidase, M16 family								
	3	8.4%	4	17.2%													
SGO_0013	4	18.1%			4	18.1%			hypothetical protein SGO_0013								
	5	21.0%															
SGO_0015	8	41.6%			5	24.8%			ABC transporter (ATP-binding protein)								
	9	42.3%	3	15.0%	6	33.6%	3	15.7%									
SGO_0016	4	24.7%			4	24.0%			cbiO; ABC transporter, ATP-binding protein								
	4	17.9%			4	16.8%											

- Show detected proteins only
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 Filter by category:

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SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>		Description	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0017	4	12.5%							ABC-type putative cobalt transport system, permease								
	4	13.3%															
SGO_0019									sdhA; L-serine dehydratase, iron-sulfur-dependent, alpha subunit								
	6	24.1%															
SGO_0020			3	26.9%					sdhB; L-serine dehydratase, iron-sulfur-dependent, beta subunit								
	3	19.7%	3	24.2%													
SGO_0022	6	20.4%	15	55.2%	8	28.4%	5	20.6%	trmU; tRNA (5-methylaminomethyl-2-thiouridylate)-methyltransferase								
	8	29.5%	15	56.3%	11	31.1%	3	15.0%									
SGO_0025	10	23.8%	4	9.5%	11	23.9%	4	8.1%	gidA; glucose inhibited division protein A								
	10	22.8%	6	13.8%	10	22.1%	7	14.9%									
SGO_0026	20	32.3%			4	9.1%	4	6.8%	DHH subfamily 1 protein								
	21	33.1%			5	7.3%											
SGO_0027	7	54.7%	7	46.7%	8	63.3%	7	58.7%	rplI; ribosomal protein L9								
	11	72.0%	9	64.0%	8	55.3%	8	52.7%									
SGO_0028	9	30.6%	4	11.8%	5	17.7%			dnaC; replicative DNA helicase								
	13	41.9%	4	13.7%	7	27.5%	3	9.5%									
SGO_0030	12	47.3%	18	54.2%	15	57.7%	11	40.8%	aspB; aspartate transaminase								
	13	46.1%	19	59.7%	14	49.9%	11	42.8%									
SGO_0032	11	36.9%	7	30.0%	12	44.1%	5	18.0%	plsX; fatty acid/phospholipid synthesis protein PlsX								
	16	42.6%	7	27.9%	11	39.3%	4	11.1%									
SGO_0033	4	41.8%			3	40.5%	3	40.5%	acpP; acyl carrier protein								
	6	57.0%			4	51.9%	4	51.9%									
SGO_0035			4	5.5%					phosphoribosylformylglycinamide synthase								
	3	3.6%	5	6.4%	3	4.2%											

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SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>		Description	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0042	3	15.1%	6	43.3%	5	33.2%	3	17.6%	transcription regulator, GntR family								
	5	26.5%	5	35.3%	5	29.8%											
SGO_0044									PTS system, IIB component								
SGO_0050	7	33.5%							hypothetical protein SGO_0050								
	10	40.4%															
SGO_0051	3	16.1%							hypothetical protein SGO_0051								
	4	28.6%															
SGO_0054	16	40.8%	13	36.3%	13	31.8%	6	20.9%	dltA; D-alanine-activating enzyme								
	16	38.5%	13	37.7%	16	38.9%	7	20.3%									
SGO_0055	3	9.9%							dltB; integral membrane protein								
SGO_0056	3	39.2%	3	31.6%					dltC; D-alanyl carrier protein								
	4	36.7%															
SGO_0057	20	58.3%	14	48.8%	13	43.8%	7	25.4%	dltD protein								
	26	64.0%	9	32.9%	12	40.0%	6	19.9%									
SGO_0059	4	45.3%	4	45.3%	4	45.3%	4	45.3%	pXO1; hypothetical protein SGO_0059								
	4	45.3%	4	45.3%	5	45.3%	5	45.3%									
SGO_0060	36	45.3%							hypothetical protein SGO_0060								
	45	49.0%	3	5.0%													
SGO_0062	3	51.2%							hypothetical protein SGO_0062								
SGO_0063	14	32.1%	4	10.8%	7	22.3%	5	14.4%	hypothetical protein SGO_0063								
	17	42.9%	7	18.9%	9	27.3%	7	17.5%									

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SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0064	50	43.8%	9	8.5%	29	28.5%	14	13.6%	FtsK/SpoIIIE family protein								
	52	42.8%	11	11.8%	30	30.6%	17	16.4%									
SGO_0065	16	49.9%	9	33.7%	13	48.2%	10	35.9%	hypothetical protein SGO_0065								
	18	50.4%	11	38.1%	15	56.2%	12	37.0%									
SGO_0066			3	36.6%	4	36.6%	3	36.6%	D-3-phosphoglycerate dehydrogenase, putative								
					5	58.4%	3	36.6%									
SGO_0067	8	25.7%	4	14.6%	13	37.3%	8	28.1%	protein with prophage function domain								
	9	29.7%	5	17.1%	14	42.6%	6	20.0%									
SGO_0068	7	40.7%			7	40.7%	3	24.3%	lipoprotein, putative								
	7	40.7%	4	28.2%	6	40.1%	3	23.2%									
SGO_0069	5	38.6%			5	38.6%	3	25.5%	hypothetical protein SGO_0069								
	7	45.7%			4	31.0%	4	31.0%									
SGO_0070	4	33.6%			4	34.3%	4	38.8%	merozoite surface protein 1								
	5	39.6%			4	34.3%	4	39.6%									
SGO_0075	4	23.6%							hypothetical protein SGO_0075								
SGO_0078	7	38.2%			5	25.0%			hypothetical protein SGO_0078								
	7	38.6%	3	20.9%	4	25.0%											
SGO_0079	3	27.6%							hypothetical protein SGO_0079								
SGO_0080	17	38.7%	9	20.8%	14	31.8%	10	24.4%	hypothetical protein SGO_0080								
	22	49.8%	7	18.0%	12	29.7%	10	23.3%									
SGO_0081	3	11.5%	5	21.6%	3	11.5%			hypothetical protein SGO_0081								
	3	11.5%	4	13.3%	6	29.8%											

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SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0095			8	39.1%	8	38.8%			mccF; microcin immunity protein MccF, putative								
			9	47.3%	6	34.4%											
SGO_0097	3	12.4%							hypothetical protein SGO_0097								
	5	22.5%															
SGO_0098	3	21.7%			3	21.7%			ribonucleotide reductase-like protein								
					3	21.7%											
SGO_0099			4	11.3%	7	16.6%	3	5.6%	pula-2; pullulanase, type I								
			7	15.8%	6	16.6%											
SGO_0100	6	27.4%							maltose operon transcription repressor								
	4	20.7%	4	21.6%	3	11.9%											
SGO_0101	5	25.8%							malA; Maltodextrose utilization protein malA								
	10	37.5%															
SGO_0104	23	59.6%	19	56.8%	23	61.8%	20	57.7%	Maltose/maltodextrin-binding protein precursor								
	26	65.1%	18	56.8%	23	61.8%	17	50.1%									
SGO_0105	8	19.6%	8	24.6%	9	21.5%	4	9.1%	malQ; 4-alpha-glucanotransferase								
	9	19.8%	8	22.3%	9	21.7%	3	6.6%									
SGO_0106	12	20.5%	27	49.1%	23	42.0%	17	31.9%	glgP-2; maltodextrin phosphorylase								
	15	22.7%	24	47.5%	28	51.1%	15	29.3%									
SGO_0107							4	5.6%	LPXTG cell wall surface protein, collagen binding domain								
SGO_0108	8	30.7%	4	15.4%					ruvB; Holliday junction DNA helicase RuvB								
	9	30.7%	3	13.9%													
SGO_0110					3	40.7%			phosphotyrosine protein phosphatase								
			4	46.4%													

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SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0111	4	27.0%							MORN motif family protein								
	6	36.5%															
SGO_0112	10	22.0%							putative acyltransferase								
	9	22.2%															
SGO_0113	53	63.8%	53	66.8%	47	60.5%	45	59.1%	acdH; alcohol-acetaldehyde dehydrogenase								
	57	66.0%	51	76.3%	48	60.9%	45	60.2%									
SGO_0128									hypothetical protein SGO_0128								
	5	60.7%															
SGO_0129	13	29.2%			4	11.1%			atpI; v-type sodium ATP synthase, chain I								
	16	31.6%			4	8.8%											
SGO_0131	6	34.7%	3	27.6%					v-type sodium ATP synthase, chain E								
	6	35.2%	4	29.1%													
SGO_0132					3	12.8%			ATP synthase (C/AC39) subunit								
	3	13.1%			4	15.4%											
SGO_0134	6	27.3%			6	26.4%			acetyltransferase, GNAT family								
	8	39.0%	4	17.7%	7	35.1%											
SGO_0135	22	49.0%	16	34.9%	13	28.4%	8	16.1%	v-type sodium ATP synthase, subunit A								
	24	49.5%	10	23.3%	18	48.5%	9	20.0%									
SGO_0136	22	54.7%	16	48.9%	12	43.5%	10	36.2%	v-type sodium ATP synthase, chain B								
	22	54.5%	14	44.6%	13	45.9%	10	36.2%									
SGO_0137	3	16.4%							V-type ATPase, D subunit								
	4	15.5%															
SGO_0138									LysM domain protein								
	4	17.7%	5	22.0%													

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SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0139	11	37.0%	14	44.9%	12	43.5%	10	30.0%	thrC; threonine synthase								
	12	38.3%	11	35.8%	13	42.9%	6	19.8%									
SGO_0142	3	15.5%							hypothetical protein SGO_0142								
SGO_0144	14	15.6%	4	4.2%	3	1.9%			hypothetical protein SGO_0144								
	18	18.1%	3	3.1%													
SGO_0145	31	45.3%	25	41.1%	21	34.8%	11	19.9%	polI; DNA polymerase I								
	25	37.6%	21	34.7%	22	38.1%	11	22.0%									
SGO_0146	5	41.4%	7	58.6%	7	58.6%	5	41.4%	CoA-binding domain protein								
	6	46.2%	7	66.9%	5	46.2%	3	23.4%									
SGO_0148	5	33.3%			3	21.1%			hypothetical protein SGO_0148								
	7	38.2%															
SGO_0150	3	10.0%							fucA1; alpha-L-fucosidase								
SGO_0152	4	21.1%	6	31.3%	5	27.4%	3	17.9%	tgt; queuine tRNA-ribosyltransferase								
	4	21.1%	4	17.4%	7	36.3%	4	19.7%									
SGO_0154	16	47.9%	32	71.3%	26	63.3%	18	53.9%	pgi; glucose-6-phosphate isomerase								
	21	48.6%	33	74.6%	23	61.0%	20	54.8%									
SGO_0155	15	52.6%			3	16.6%			hypothetical protein SGO_0155								
	15	57.0%			5	16.6%											
SGO_0156	9	41.0%			3	16.4%	3	16.4%	hypothetical protein SGO_0156								
	11	42.5%			3	16.4%	3	17.2%									
SGO_0157	4	16.8%							hypothetical protein SGO_0157								
	5	20.6%															

- Show detected proteins only
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SgPgFn vs Sg

SgPg vs SgFn

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SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0158	8	42.2%	7	38.8%	7	41.4%	6	37.9%	2,3,4,5-tetrahydropyridine-2-carboxylate N-succinyltransferase, putative								
	8	42.2%	6	34.9%	8	41.4%	8	45.3%									
SGO_0159			3	10.6%	3	10.6%			hippurate hydrolase								
	5	19.9%															
SGO_0163	7	36.4%	11	48.3%	10	45.4%	6	29.1%	galU; UTP-glucose-1-phosphate uridylyltransferase								
	8	40.1%	10	48.7%	9	41.7%	8	40.7%									
SGO_0164	12	55.9%	14	69.2%	11	56.2%	8	38.2%	Glycerol-3-phosphate dehydrogenase [NAD(P)+] (NAD(P)H-dependent glycerol-3-phosphate dehydrogenase)								
	13	61.5%	12	60.7%	11	58.6%	9	41.1%									
SGO_0165	9	22.3%							ABC transporter, permease/ATP-binding protein SP2075								
	8	17.8%															
SGO_0166	11	26.5%							ABC transporter, permease/ATP-binding protein SP2073								
	10	25.1%			3	3.7%											
SGO_0167	5	27.1%							glutamine amidotransferase								
	5	32.3%															
SGO_0168	4	30.2%							hydrolase, NUDIX family								
	5	39.6%	3	22.8%													
SGO_0169	5	41.5%	5	42.9%	4	42.9%	5	42.9%	dut; dUTP diphosphatase								
	5	52.4%	4	28.6%	4	44.2%	4	37.4%									
SGO_0171	7	21.7%	5	20.2%	9	31.8%	3	11.4%	radA; DNA repair protein RadA								
	12	40.1%			10	35.0%											
SGO_0172	7	44.1%	3	25.4%					conserved hypothetical protein TIGR00266								
	7	44.5%															
SGO_0173	7	56.7%	3	34.1%	4	36.0%			Carbonic anhydrase								
	7	56.7%	5	50.0%	4	37.2%											

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0174	22	52.2%	19	45.4%	27	57.9%	17	44.9%	gltX; glutamyl-tRNA synthetase								
	22	53.2%	23	54.8%	23	56.9%	18	47.4%									
SGO_0179									Membrane protein oxaA 1 precursor								
	3	7.0%															
SGO_0180	11	34.1%	7	30.9%	8	30.9%	3	10.3%	jag; hypothetical protein SGO_0180								
	13	38.4%	4	19.7%	7	25.3%	8	28.1%									
SGO_0181	12	40.4%							lipoprotein, putative								
	15	55.1%															
SGO_0182			3	20.5%					sapR; sakacin A production response regulator								
	3	21.0%	4	32.4%													
SGO_0188	5	20.7%	6	35.9%					hydrolase, TatD family								
	6	27.0%	3	17.6%	3	14.5%											
SGO_0189									primase-related protein								
	3	20.4%															
SGO_0190	9	34.2%			3	15.8%			hypothetical protein SGO_0190								
	16	51.8%			4	20.1%	3	15.5%									
SGO_0191	7	17.8%			4	14.9%			hypothetical protein SGO_0191								
	9	27.0%															
SGO_0193	3	14.1%	3	12.8%	7	32.8%			ksgA; dimethyladenosine transferase								
	5	20.7%	4	17.9%	6	24.5%											
SGO_0197			4	25.7%	3	20.2%			predicted ribosome small subunit-dependent GTPase A								
			6	39.7%	5	37.3%	3	17.8%									
SGO_0198	8	51.1%	10	71.2%	10	65.3%	7	35.6%	rpe; ribulose-phosphate 3-epimerase								
	7	37.9%	10	74.4%	9	58.9%	5	29.7%									

 Show detected proteins only Show all proteins Filter by category:

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Proteins found:

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0200	15	42.6%	10	38.8%	12	45.0%	5	20.3%	competence-induced protein Ccs50								
	21	51.9%	9	38.3%	11	45.2%	7	30.9%									
SGO_0201	10	46.3%	12	48.2%	11	47.9%	6	26.2%	cmp-binding-factor 1								
	12	51.1%	13	49.2%	13	52.1%	7	26.8%									
SGO_0202	3	20.3%	5	33.6%	4	25.5%			pur operon repressor								
	4	25.8%	5	32.1%	5	33.2%											
SGO_0203									hypothetical protein SGO_0203								
	4	27.9%															
SGO_0204	7	25.5%	8	45.3%	7	39.4%	8	45.3%	rpsL; ribosomal protein S12								
	7	25.5%	6	43.8%	7	39.4%	8	45.3%									
SGO_0205	12	67.3%	11	62.8%	11	59.6%	9	60.3%	rpsG; ribosomal protein S7								
	14	74.4%	13	80.1%	10	59.0%	10	53.8%									
SGO_0206	41	83.5%	38	79.2%	42	83.5%	38	77.5%	fusA; translation elongation factor G								
	46	86.0%	44	97.4%	45	83.8%	38	79.8%									
SGO_0207	14	47.9%	25	69.3%	19	62.2%	16	58.6%	gap; glyceraldehyde-3-phosphate dehydrogenase, type I								
	15	50.6%	27	91.1%	18	59.5%	18	58.9%									
SGO_0208	12	9.7%	13	11.3%					LPXTG cell wall surface protein, glycosyl hydrolase family								
	16	14.3%	12	9.9%													
SGO_0209	26	72.2%	29	76.7%	27	81.5%	26	80.5%	pgk; phosphoglycerate kinase								
	29	72.9%	29	87.2%	28	82.5%	24	72.2%									
SGO_0210	17	14.3%	20	21.1%	3	2.1%			sspA; streptococcal surface protein A								
	28	20.6%	15	18.4%	4	4.3%											
SGO_0211	20	13.4%	4	3.0%					sspB; streptococcal surface protein B								
	18	13.2%	5	4.5%													

Description

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0200	15	42.6%	10	38.8%	12	45.0%	5	20.3%	competence-induced protein Ccs50								
	21	51.9%	9	38.3%	11	45.2%	7	30.9%									
SGO_0201	10	46.3%	12	48.2%	11	47.9%	6	26.2%	cmp-binding-factor 1								
	12	51.1%	13	49.2%	13	52.1%	7	26.8%									
SGO_0202	3	20.3%	5	33.6%	4	25.5%			pur operon repressor								
	4	25.8%	5	32.1%	5	33.2%											
SGO_0203									hypothetical protein SGO_0203								
	4	27.9%															
SGO_0204	7	25.5%	8	45.3%	7	39.4%	8	45.3%	rpsL; ribosomal protein S12								
	7	25.5%	6	43.8%	7	39.4%	8	45.3%									
SGO_0205	12	67.3%	11	62.8%	11	59.6%	9	60.3%	rpsG; ribosomal protein S7								
	14	74.4%	13	80.1%	10	59.0%	10	53.8%									
SGO_0206	41	83.5%	38	79.2%	42	83.5%	38	77.5%	fusA; translation elongation factor G								
	46	86.0%	44	97.4%	45	83.8%	38	79.8%									
SGO_0207	14	47.9%	25	69.3%	19	62.2%	16	58.6%	gap; glyceraldehyde-3-phosphate dehydrogenase, type I								
	15	50.6%	27	91.1%	18	59.5%	18	58.9%									
SGO_0208	12	9.7%	13	11.3%					LPXTG cell wall surface protein, glycosyl hydrolase family								
	16	14.3%	12	9.9%													
SGO_0209	26	72.2%	29	76.7%	27	81.5%	26	80.5%	pgk; phosphoglycerate kinase								
	29	72.9%	29	87.2%	28	82.5%	24	72.2%									
SGO_0210	17	14.3%	20	21.1%	3	2.1%			sspA; streptococcal surface protein A								
	28	20.6%	15	18.4%	4	4.3%											
SGO_0211	20	13.4%	4	3.0%					sspB; streptococcal surface protein B								
	18	13.2%	5	4.5%													

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>		Description	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0214	4	30.6%							transcription regulator, MerR family								
	16	47.1%	17	48.7%	18	54.5%	15	49.6%	glnA; glutamine synthetase, type I								
SGO_0215	20	52.7%	19	56.3%	16	52.5%	12	34.4%		metallo-beta-lactamase superfamily protein 1							
	17	44.3%	18	45.0%	20	51.3%	10	23.2%	Protein of unknown function (DUF1447) superfamily								
SGO_0219	17	44.5%	15	38.8%	23	58.9%	11	27.0%		glycoproteinase family protein							
			3	53.9%	4	59.2%			Protein of unknown function, DUF536 family								
SGO_0220					5	68.4%				glycerophosphoryl diester phosphodiesterase family protein							
	3	11.3%	3	11.6%					conserved hypothetical protein TIGR00103								
SGO_0223	3	11.3%			3	12.2%				lipoprotein, putative							
	4	25.6%	6	40.0%	6	37.8%	4	27.2%	pepX; X-Pro dipeptidyl-peptidase								
SGO_0230	8	43.3%	5	31.1%	5	31.1%	7	44.4%		glycerol uptake facilitator protein-like protein							
	4	11.1%							hypothetical protein SGO_0236								
SGO_0231	6	17.1%								hypothetical protein SGO_0236							
					3	26.9%	3	26.9%	hypothetical protein SGO_0236								
SGO_0232	4	33.6%			3	26.9%	3	26.9%		hypothetical protein SGO_0236							
	7	31.9%	3	26.7%					hypothetical protein SGO_0236								
SGO_0233	10	48.9%	6	45.2%						hypothetical protein SGO_0236							
	20	35.3%	18	35.6%	19	34.8%	13	23.7%	hypothetical protein SGO_0236								
SGO_0234	21	36.2%	19	38.5%	18	30.8%	5	10.0%		hypothetical protein SGO_0236							
	3	11.3%			4	21.9%			hypothetical protein SGO_0236								
SGO_0235	4	14.1%			3	18.7%				hypothetical protein SGO_0236							
	6	12.0%							hypothetical protein SGO_0236								
SGO_0236	6	11.7%								hypothetical protein SGO_0236							
	6	11.7%							hypothetical protein SGO_0236								

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

SGO_0237

3 18.0%

4 26.1%

7 38.0%

3 17.1%

ccpA; CcpA protein (proteinase)



SGO_0240

5 23.8%

mvaD; diphosphomevalonate decarboxylase



SGO_0242

3 10.8%

3 14.7%

FMN-dependent dehydrogenase family protein



SGO_0243

3 6.6%

3 12.3%

hydroxymethylglutaryl-CoA reductase, degradative



SGO_0244

3 8.7%

7 20.9%

8 31.6%

6 19.9%

hydroxymethylglutaryl-CoA synthase



SGO_0247

45 67.2%

43 66.4%

39 66.7%

33 51.1%

pfl; formate acetyltransferase



SGO_0252

7 32.1%

4 16.0%

6 26.9%

3 9.4%

possible TetR-type transcriptional regulator



SGO_0253

10 42.7%

hypothetical protein SGO_0253



SGO_0254

6 13.1%

6 12.1%

helicase, RecD/TraA family



SGO_0255

11 48.5%

7 46.5%

4 29.0%

5 19.0%

Signal peptidase I



SGO_0256

4 17.9%

rnhC; ribonuclease HIII



SGO_0258

3 23.8%

3 56.4%

3 27.7%

hypothetical protein SGO_0258

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Proteins found:

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0260	16	29.7%	8	17.5%	13	24.3%	6	8.4%	DNA mismatch binding protein MutS2								
	23	40.2%	11	22.4%	15	28.7%	7	10.8%									
SGO_0261									acetyltransferase, GNAT family								
	3	16.4%															
SGO_0262	11	34.1%	9	29.7%	12	32.8%	7	19.9%	dipeptidase								
	9	30.5%	9	32.4%	12	30.3%	5	15.9%									
SGO_0263	4	42.3%	4	42.3%	4	42.3%	4	42.3%	trx-1; thioredoxin								
	4	42.3%	6	67.3%	4	42.3%	3	41.3%									
SGO_0268	10	45.5%							mechanosensitive transport protein								
	8	38.7%			4	17.2%											
SGO_0269	3	22.5%							hypothetical protein SGO_0269								
	4	31.9%															
SGO_0272	6	55.7%	7	54.9%	5	42.6%	4	39.3%	hypothetical protein SGO_0272								
	5	48.4%	6	49.2%	5	42.6%	4	39.3%									
SGO_0276	19	44.9%	24	63.2%	23	59.2%	16	42.4%	gdhA; glutamate dehydrogenase (NADP)								
	24	48.2%	22	62.9%	25	65.4%	20	55.6%									
SGO_0277	5	31.7%	4	28.8%	5	35.3%			pyrA; Dihydroorotate dehydrogenase								
	5	31.7%	5	35.6%	4	27.9%											
SGO_0278			3	15.8%					msrA; Peptide methionine sulfoxide reductase msrA/msrB								
	3	14.8%															
SGO_0279	6	29.4%							lipoprotein, putative								
	4	23.7%															
SGO_0280	6	20.4%	10	41.0%	7	20.9%			trzA; ethylameline chlorohydrolase								
	7	23.4%	6	23.6%	6	20.6%											

- Show detected proteins only
 Show all proteins

Proteins found:
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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0282	9	27.1%							cell wall polysaccharide biosynthesis protein								
	11	37.6%															
SGO_0284	3	9.3%							transcriptional regulator								
SGO_0286	7	16.0%							DNA mismatch repair protein MutS, putative								
	10	24.5%	3	7.7%			3	8.3%									
SGO_0288					3	21.1%			GDSSL-like lipase/acylhydrolase								
			3	21.6%	4	30.9%											
SGO_0290	3	28.5%			3	28.5%	3	28.5%	copper -translocating P-type ATPase								
	3	28.5%			3	28.5%											
SGO_0291	16	31.1%	8	19.3%	9	20.7%	7	16.6%	copper-translocating P-type ATPase								
	16	33.5%	6	13.4%	9	20.8%	6	13.9%									
SGO_0292	19	45.9%	14	34.7%	28	64.1%	23	55.5%	spxB; pyruvate oxidase								
	24	51.1%	11	35.4%	29	64.1%	24	60.2%									
SGO_0294	4	8.6%							ABC transporter, putative								
	5	10.1%															
SGO_0297			6	15.9%					6-phospho-beta-glucosidase								
	4	11.5%	9	27.6%													
SGO_0299									putative histidine kinase								
SGO_0301							3	14.2%	ABC transporter ATP-binding protein-like protein								
SGO_0306	4	17.9%							ABC transporter ATP-binding protein-like protein								
	6	21.9%															

- Show detected proteins only
 Show all proteins

Proteins found:
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Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0307	4	8.8%							pabB; chorismate binding enzyme								
	6	12.5%															
SGO_0310	3	5.5%	4	8.7%	4	6.8%			metE; 5-methyltetrahydropteroyltriglutamate--homocysteine S-methyltransferase								
	3	4.9%	5	8.3%													
SGO_0312	33	46.3%	45	58.4%	40	56.9%	34	53.5%	xfp; D-xylulose 5-phosphate/D-fructose 6-phosphate phosphoketolase								
	34	48.5%	55	71.2%	41	57.2%	38	55.5%									
SGO_0317	43	46.8%							LPXTG cell wall surface protein, serine protease, subtilase family								
	52	50.1%					3	2.6%									
SGO_0321	8	57.8%	8	61.3%	7	51.5%	5	42.2%	polypeptide deformylase								
	10	71.1%	8	57.4%	8	56.4%	6	42.2%									
SGO_0323					3	18.6%			pseudouridine synthase rRNA-specific								
	3	14.9%															
SGO_0324	10	22.6%							hypothetical protein SGO_0324								
	10	22.3%															
SGO_0325	7	25.4%							probable membrane protein, putative								
SGO_0326	19	38.9%			3	8.5%			probable membrane protein, putative								
	23	46.5%															
SGO_0327	5	17.2%			3	11.4%			Lipopolysaccharide N-acetylglucosaminyltransferase								
	4	13.7%	4	12.4%													
SGO_0328	5	9.8%							transmembrane protein, putative								
	5	9.8%															
SGO_0329	20	47.0%							hypothetical protein SGO_0329								
	21	49.4%			3	8.6%											

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>		Description	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0330	8	40.1%							hypothetical protein SGO_0330								
	8	38.5%															
SGO_0331	4	19.7%							hypothetical protein SGO_0331								
	6	23.3%															
SGO_0332	12	40.6%							hypothetical protein SGO_0332								
	14	40.8%															
SGO_0333	8	34.8%	9	68.5%	11	68.5%	10	38.2%	rpsO; ribosomal protein S15								
	11	68.5%	8	66.3%	11	68.5%	10	66.3%									
SGO_0337					3	33.7%			trx-2; thioredoxin								
	3	34.6%															
SGO_0339			7	27.0%	3	11.8%			hypothetical protein SGO_0339								
	4	16.3%	7	31.9%													
SGO_0342	15	34.6%	19	44.5%	17	39.1%	12	26.9%	pepF-2; oligoendopeptidase								
	15	33.4%	21	45.0%	18	43.0%	10	19.2%									
SGO_0344	27	48.1%	29	47.3%	28	48.4%	22	38.6%	pnpA; polyribonucleotide nucleotidyltransferase								
	31	48.5%	27	44.1%	26	50.4%	16	26.0%									
SGO_0345	3	16.1%							cysE; serine O-acetyltransferase								
	6	23.4%															
SGO_0348			5	48.0%	3	31.8%			reductase								
	4	36.4%			3	31.8%											
SGO_0349	11	32.2%	10	28.6%	12	36.5%	10	25.7%	cysS; cysteinyl-tRNA synthetase								
	11	31.8%	11	31.1%	11	32.7%	7	18.3%									
SGO_0352	14	42.3%	12	40.7%	13	48.4%	7	26.1%	ABC transporter, ATP-binding protein SP1580								
	16	47.6%	12	37.8%	12	39.6%	6	21.5%									

- Show detected proteins only
- Show all proteins

Proteins found:
1179

Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0353	3	6.0%	4	7.6%	5	7.8%			transport protein								
	3	5.2%	3	6.3%	3	6.0%											
SGO_0355	5	27.6%	4	20.6%	6	35.0%			RNA methyltransferase, TrmH family, group 3								
	7	28.0%	4	23.5%	5	30.9%											
SGO_0356	3	16.4%							hypothetical protein SGO_0356								
SGO_0357	8	44.3%	10	59.6%	11	59.6%	8	57.1%	degV; DegV family fatty acid binding protein								
	9	47.4%	6	39.0%	12	63.8%	9	47.7%									
SGO_0358	11	78.4%	10	73.0%	9	65.5%	8	70.3%	rpmI; ribosomal protein L13								
	11	79.1%	12	77.7%	11	79.1%	10	75.7%									
SGO_0359	5	27.7%	6	28.5%	5	21.5%	5	21.5%	rpsI; ribosomal protein S9								
	6	28.5%	4	20.8%	5	21.5%	5	21.5%									
SGO_0361	6	33.1%	4	35.5%	5	40.7%			immunity repressor protein								
	5	33.1%	5	35.5%	3	28.5%											
SGO_0368	3	9.8%	5	11.9%			3	9.4%	merA; mercury(II) reductase								
	4	10.9%	5	13.2%													
SGO_0371									putative transcriptional regulator								
	4	39.7%															
SGO_0372	6	18.9%	12	25.7%	8	30.1%	7	25.1%	malate oxidoreductase								
	8	22.2%	10	24.0%	7	23.1%	6	17.4%									
SGO_0374	7	29.5%	9	40.6%	8	40.6%	5	23.4%	Response regulator of the LytR/AlgR family								
	8	34.4%	9	46.3%	9	41.8%	4	14.3%									
SGO_0376							4	24.3%	ABC transporter ATP-binding protein								
	5	23.9%															

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

1179

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

SGO_0378

3 29.9%

hypothetical protein SGO_0378



SGO_0379

6 31.6%

7 34.9%

Protein of unknown function (DUF421) family



SGO_0380

3 23.3%

hypothetical protein SGO_0380



SGO_0384

3 15.7%

4 23.1%

3 15.7%

4 25.3%

putative carboxylate-amine/thiol ligase

5 22.8%

6 29.2%

6 34.3%

5 29.2%



SGO_0385

19 19.9%

21 21.7%

exo-beta-D-fructosidase

24 27.5%

18 19.0%



SGO_0387

4 22.1%

6 31.7%

hypothetical protein SGO_0387



SGO_0388

19 25.3%

16 26.6%

LPXTG cell wall surface protein, zinc carboxypeptidase family

27 36.4%

13 18.7%



SGO_0389

3 37.5%

possible phosphoserine phosphatase

3 28.4%

3 45.5%



SGO_0390

14 43.4%

19 51.2%

23 56.4%

11 34.4%

glycerol-3-phosphate dehydrogenase (NAD(P)+)

18 50.3%

16 48.8%

18 49.7%

13 37.1%



SGO_0392

7 36.4%

6 32.5%

3 14.5%

phosphoglycerate mutase

4 25.4%

5 28.9%

6 32.5%



SGO_0393

8 53.7%

3 16.3%

D-alanyl-D-alanine carboxypeptidase

10 63.8%



SGO_0396

3 25.2%

Transcriptional regulator, PadR family

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0398	12	49.5%	4	16.1%	5	20.4%	4	17.5%	ABC transporter ATP-binding protein								
	10	35.1%	5	20.7%	3	14.0%	4	17.9%									
SGO_0400	4	12.8%	8	27.6%					hrcA; heat-inducible transcription repressor HrcA								
	4	12.5%	4	16.6%													
SGO_0401	8	41.8%	9	46.9%	7	33.9%	6	33.9%	grpE; co-chaperone GrpE								
	10	53.7%	9	53.7%	8	41.8%	7	33.9%									
SGO_0402	29	56.8%	40	71.3%	32	64.3%	29	61.6%	dnaK; DnaK chaperone protein								
	36	63.8%	42	74.6%	33	64.4%	33	64.6%									
SGO_0404	15	42.0%	6	23.6%	8	28.9%	6	19.7%	dnaJ; DnaJ chaperone protein								
	21	50.1%	9	26.2%	13	35.7%	8	27.8%									
SGO_0407			3	17.3%	3	19.7%			truA; tRNA pseudouridine synthase A								
	3	16.9%	3	17.3%													
SGO_0408	65	42.9%							zmpB; zinc metalloproteinase B								
	68	42.0%					4	3.6%									
SGO_0409	3	17.0%	14	67.2%	3	28.5%			pyridoxine kinase								
			13	70.8%	4	26.9%											
SGO_0411			12	80.7%	3	12.8%	3	12.8%	conserved hypothetical protein TIGR01440								
			11	84.5%	3	12.8%											
SGO_0412	28	73.8%	33	83.8%	32	81.0%	27	73.1%	tig; trigger factor								
	35	85.9%	30	84.3%	32	81.0%	27	73.1%									
SGO_0413	5	45.1%	6	46.2%	5	33.3%	4	32.3%	DNA-directed RNA polymerase delta chain								
	3	22.6%	7	35.9%	5	33.3%	5	33.3%									
SGO_0415	41	59.2%	34	53.6%	39	59.8%	29	46.2%	secA; preprotein translocase, SecA subunit								
	45	61.2%	30	50.6%	34	54.9%	33	55.5%									

Description

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0398	12	49.5%	4	16.1%	5	20.4%	4	17.5%	ABC transporter ATP-binding protein								
	10	35.1%	5	20.7%	3	14.0%	4	17.9%									
SGO_0400	4	12.8%	8	27.6%					hrcA; heat-inducible transcription repressor HrcA								
	4	12.5%	4	16.6%													
SGO_0401	8	41.8%	9	46.9%	7	33.9%	6	33.9%	grpE; co-chaperone GrpE								
	10	53.7%	9	53.7%	8	41.8%	7	33.9%									
SGO_0402	29	56.8%	40	71.3%	32	64.3%	29	61.6%	dnaK; DnaK chaperone protein								
	36	63.8%	42	74.6%	33	64.4%	33	64.6%									
SGO_0404	15	42.0%	6	23.6%	8	28.9%	6	19.7%	dnaJ; DnaJ chaperone protein								
	21	50.1%	9	26.2%	13	35.7%	8	27.8%									
SGO_0407			3	17.3%	3	19.7%			truA; tRNA pseudouridine synthase A								
	3	16.9%	3	17.3%													
SGO_0408	65	42.9%							zmpB; zinc metalloproteinase B								
	68	42.0%					4	3.6%									
SGO_0409	3	17.0%	14	67.2%	3	28.5%			pyridoxine kinase								
			13	70.8%	4	26.9%											
SGO_0411			12	80.7%	3	12.8%	3	12.8%	conserved hypothetical protein TIGR01440								
			11	84.5%	3	12.8%											
SGO_0412	28	73.8%	33	83.8%	32	81.0%	27	73.1%	tig; trigger factor								
	35	85.9%	30	84.3%	32	81.0%	27	73.1%									
SGO_0413	5	45.1%	6	46.2%	5	33.3%	4	32.3%	DNA-directed RNA polymerase delta chain								
	3	22.6%	7	35.9%	5	33.3%	5	33.3%									
SGO_0415	41	59.2%	34	53.6%	39	59.8%	29	46.2%	secA; preprotein translocase, SecA subunit								
	45	61.2%	30	50.6%	34	54.9%	33	55.5%									

- Show detected proteins only
 Show all proteins

Filter by category:

ABC Transporter

Proteins found:
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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0416	12	44.9%	15	51.0%	15	59.5%	11	42.3%	phospho-2-dehydro-3-deoxyheptonate aldolase								
	14	53.6%	14	50.7%	12	46.4%	6	27.4%									
SGO_0418			7	26.4%	4	18.5%			alr; alanine racemase								
			6	22.8%	4	12.5%											
SGO_0425	3	16.9%	4	22.5%	3	16.9%			ansB; asparaginase								
SGO_0426	10	24.6%	6	16.6%	7	14.9%	5	14.3%	Cof family protein								
	13	31.3%	11	32.2%	6	13.2%											
SGO_0427	5	38.7%	8	62.7%	6	57.3%	4	30.7%	universal stress protein family								
	7	44.7%	8	76.7%	6	57.3%	6	51.3%									
SGO_0429	18	56.7%	18	57.2%	20	61.6%	15	51.7%	aspartate transaminase								
	18	59.2%	17	56.7%	19	59.9%	16	51.5%									
SGO_0430	29	48.6%	17	29.0%					LPXTG cell wall surface protein								
	38	57.1%	14	25.3%													
SGO_0431	8	32.1%			6	28.6%			GTP-sensing transcriptional pleiotropic repressor codY								
	6	23.7%	4	16.4%	5	20.6%											
SGO_0432	4	36.2%			3	29.2%	3	29.2%	entB; isochorismatase family protein								
	5	40.0%	4	36.2%	3	29.2%	3	29.2%									
SGO_0434	19	47.6%	12	33.2%	14	40.1%	11	26.6%	aspS-2; aspartyl-tRNA synthetase								
	22	49.7%	17	42.0%	13	36.3%	8	22.5%									
SGO_0435	5	59.0%	5	80.0%	5	79.0%	4	41.0%	gatC; glutamyl-tRNA(Gln) amidotransferase, C subunit								
	5	51.0%	5	89.0%	5	78.0%	4	49.0%									
SGO_0436	22	55.9%	16	42.2%	21	52.7%	16	43.6%	gatA; glutamyl-tRNA(Gln) amidotransferase, A subunit								
	25	54.9%	18	43.9%	19	50.6%	19	52.7%									

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0437	20	47.0%	19	55.6%	22	57.2%	17	43.8%	gatB; glutamyl-tRNA(Gln) amidotransferase, B subunit								
	21	48.8%	19	52.0%	21	56.6%	13	30.2%									
SGO_0440	4	21.6%	11	49.7%	7	37.1%	4	29.0%	L-iditol 2-dehydrogenase BH3949								
	5	26.1%	13	62.4%	4	25.3%											
SGO_0444									HAD superfamily (subfamily IIIA) phosphatase, TIGR01668								
	3	19.5%															
SGO_0445	11	42.1%	12	42.9%	14	54.6%	6	22.0%	GTP-binding protein								
	13	48.1%	10	38.6%	14	45.9%	6	21.2%									
SGO_0446									conserved hypothetical protein TIGR00253								
	3	53.4%															
SGO_0447	4	34.3%	6	43.8%	4	38.1%			nadD; nicotinate (nicotinamide) nucleotide adenylyltransferase								
	4	24.8%	5	48.6%	3	30.0%											
SGO_0448	5	32.7%	9	50.8%	5	35.2%	3	22.1%	conserved hypothetical protein TIGR00488								
	4	28.1%	6	40.7%	7	49.2%											
SGO_0449									isochorismatase family protein								
	3	18.6%															
SGO_0450			3	24.0%	4	32.2%			iojap-related protein								
	4	38.0%	4	30.6%	3	32.2%											
SGO_0451					4	20.9%			methyltransferase								
					4	20.9%											
SGO_0453	18	56.2%							lipoprotein, putative								
	26	64.5%															
SGO_0454	6	31.9%	4	25.6%	6	32.8%	3	20.2%	conserved hypothetical protein TIGR01033								
	8	40.3%	4	25.6%	4	26.9%	3	20.2%									

- Show detected proteins only
- Show all proteins

Proteins found:
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Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0455	21	61.0%	3	8.7%	10	40.9%	6	24.4%	lipoprotein, putative								
	21	59.9%			9	35.5%	7	27.6%									
SGO_0456	4	13.8%	5	26.8%					ILL5; amino acid aminohydrolase								
	5	17.0%	9	42.2%													
SGO_0457	17	48.8%	6	27.7%	11	36.8%	9	33.0%	ABC transporter, substrate-binding protein SP0148								
	23	57.5%	7	34.0%	12	40.0%	6	20.4%									
SGO_0458	24	71.4%	17	67.9%	17	61.3%	15	59.2%	hlpA; lipoprotein								
	27	70.7%	11	55.1%	16	61.0%	16	60.6%									
SGO_0459	8	30.9%	6	21.2%	8	24.7%			succinyl-diaminopimelate desuccinylase								
	10	35.2%	7	25.2%	4	14.2%											
SGO_0460	12	34.2%	5	13.8%	10	31.4%	6	14.7%	ABC transporter, ATP-binding protein SP0151								
	12	33.6%	6	17.8%	8	23.7%	6	18.1%									
SGO_0463	3	6.5%							cydD; putative ABC transporter (ATP-binding protein)								
	5	10.9%															
SGO_0468	7	26.3%	7	26.3%	7	29.2%	6	28.5%	hypothetical protein SGO_0468								
	8	31.0%	7	26.3%	11	42.3%	5	24.9%									
SGO_0469	3	10.2%							integral membrane protein								
	3	10.2%															
SGO_0476	7	31.7%			12	46.6%	9	38.1%	rhodanese family protein								
	6	25.0%	3	15.5%	11	48.2%	7	30.5%									
SGO_0480			8	62.8%	3	30.7%			hypothetical protein SGO_0480								
	3	32.8%	6	58.4%	3	30.7%	3	30.7%									
SGO_0483	11	45.7%	7	37.1%	7	33.1%	5	26.2%	hypothetical protein SGO_0483								
	10	40.1%	5	33.8%	12	55.3%	7	32.1%									

 Show detected proteins only Show all proteins

Proteins found:

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 Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0484	5	18.0%	4	12.9%					sensor histidine kinase								
	6	18.5%															
SGO_0488	19	39.8%	4	10.9%	8	21.9%			ABC transporter, ATP-binding protein SP0483								
	18	35.7%	7	21.9%	6	19.1%											
SGO_0491			5	31.6%	4	21.1%			gidB; methyltransferase GidB								
			4	22.4%	4	26.6%											
SGO_0494	5	27.5%	15	72.0%	8	51.3%			lemA; LemA-like protein								
	8	50.8%	11	68.3%	9	53.4%											
SGO_0495	4	21.2%	4	23.2%	3	19.2%			htpx; heat shock protein								
	6	28.6%	5	32.3%													
SGO_0497			44	38.3%			3	2.5%	gtfG; glucosyltransferase G								
			45	39.5%													
SGO_0500	3	12.1%							rggD; putative transcriptional regulator RggD								
SGO_0501	7	43.2%			8	43.2%	6	34.1%	Uncharacterized ACR, COG1399								
	8	50.0%	3	22.7%	7	43.2%	6	34.1%									
SGO_0502	29	58.4%	20	47.5%	25	56.2%	22	51.1%	floL; flotillin-like protein								
	34	61.9%	15	37.1%	27	57.6%	21	51.9%									
SGO_0503	23	62.2%	33	77.6%	28	74.3%	25	69.2%	gnd; 6-phosphogluconate dehydrogenase, decarboxylating								
	27	65.2%	32	81.9%	31	78.7%	27	66.9%									
SGO_0505	21	35.2%	16	34.2%	16	31.0%	10	21.6%	PTS system, IIBC component								
	22	37.5%	14	31.8%	20	36.2%	11	23.6%									
SGO_0506									rgfB; RgfB								
	3	15.5%			3	14.8%											

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0508	3	19.7%	4	22.3%	3	19.7%	3	19.7%	nrdR; transcriptional regulator, NrdR family								
	3	19.7%			3	19.7%	4	22.3%									
SGO_0509	5	16.9%							Replication initiation and membrane attachment protein (DnaB) superfamily								
	10	23.7%			4	11.5%											
SGO_0510	7	30.1%	8	31.1%	13	60.2%	8	34.4%	dnaI; primosomal protein DnaI								
	7	26.1%	7	34.4%	10	37.8%	6	15.1%									
SGO_0511	3	16.4%	6	38.2%	5	29.4%	3	17.2%	NADPH-flavin oxidoreductase -like protein								
	8	36.6%	7	42.9%	7	34.9%	3	17.2%									
SGO_0512	13	35.1%	11	31.0%	11	34.2%	10	33.5%	GTP-binding protein engA								
	17	42.0%	8	27.8%	11	36.9%	10	32.8%									
SGO_0513			6	10.2%					Snf2 family protein								
	4	5.3%	3	4.6%													
SGO_0514					4	14.4%			hypothetical protein SGO_0514								
					4	24.6%											
SGO_0515	12	35.4%	16	47.4%	15	50.3%	8	26.0%	murC; UDP-N-acetylmuramate--alanine ligase								
	14	41.5%	15	51.5%	15	50.3%	9	31.8%									
SGO_0518	21	48.4%	9	21.0%	15	42.7%	10	26.3%	aminodeoxychorismate lyase-like protein								
	26	51.4%	8	23.2%	17	45.9%	9	26.9%									
SGO_0519	8	51.3%	6	61.9%	10	71.3%	5	51.3%	greA; transcription elongation factor greA								
	10	58.1%	4	39.4%	9	58.8%	6	53.1%									
SGO_0521	5	18.7%	3	8.4%	3	8.4%			Membrane protein oxaA 2 precursor								
	7	22.6%			3	11.0%											
SGO_0523			7	52.4%	6	34.6%			spoU rRNA Methylase family protein								
	6	33.7%	9	59.3%	4	26.4%											

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

1179

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Summary Table SgFn vs Sg SgPg vs Sg SgPgFn vs Sg SgPg vs SgFn SgPgFn vs SgFn SgPgFn vs SgPg Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0526	11	29.4%	6	14.2%	12	31.5%	3	5.4%	ilvB; acetolactate synthase, large subunit, biosynthetic type								
	13	29.6%	9	19.4%	13	28.9%	4	9.6%									
SGO_0527	4	25.3%	3	25.9%	3	19.0%			ilvN; acetolactate synthase, small subunit								
	5	32.3%	3	12.7%	3	20.3%	3	20.9%									
SGO_0528	12	40.9%	14	42.9%	16	50.6%	10	38.5%	ilvC; ketol-acid reductoisomerase								
	13	43.2%	14	42.4%	17	50.9%	10	33.2%									
SGO_0529	3	11.5%	5	16.8%	6	28.1%			ilvA; threonine dehydratase								
	7	19.2%	7	26.9%	7	27.6%	3	12.5%									
SGO_0530	6	33.3%	5	29.6%	4	27.8%			Cof family protein								
	7	37.8%	7	40.0%	6	33.3%											
SGO_0533	3	18.8%	3	21.3%					conserved hypothetical protein TIGR00150								
SGO_0535	10	33.3%	4	16.4%	4	16.9%	3	12.4%	putative transcriptional regulator LytR								
	13	40.2%			5	18.9%											
SGO_0536	6	60.0%			7	73.0%	7	79.0%	hypothetical protein SGO_0536								
	6	60.0%			6	60.0%	4	57.0%									
SGO_0537	4	38.7%	3	32.9%	4	38.7%	4	42.8%	HIT family protein								
	6	43.4%	4	50.9%	4	38.7%	5	44.5%									
SGO_0538	8	39.9%	6	28.0%	4	20.2%			ABC transporter, ATP-binding protein SP0522								
	7	39.9%	8	31.7%	4	22.2%											
SGO_0539	6	13.1%							ABC transporter, permease protein								
	7	16.5%															
SGO_0540	11	55.7%	12	58.0%	14	73.5%	10	47.3%	hypothetical protein SGO_0540								
	11	53.0%	13	59.1%	12	59.5%	10	46.2%									

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1179

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

SGO_0541

6

36.3%

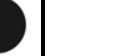
5

32.1%

4

20.3%

methyltransferase, putative



SGO_0542

3

14.2%

5

39.2%

4

24.7%

hypothetical protein SGO_0542



SGO_0543

17

40.0%

9

26.9%

15

37.0%

10

27.6%

nusA; transcription termination factor NusA



SGO_0544

3

24.5%

15

37.0%

10

27.6%

Protein of unknown function (DUF448) superfamily



SGO_0545

3

39.4%

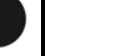
15

37.0%

10

27.6%

ribosomal protein L7A family



SGO_0546

25

33.4%

22

29.9%

26

31.5%

15

22.1%

infB; Translation initiation factor IF-2



SGO_0547

3

36.5%

15

37.0%

10

27.6%

rbfA; ribosome-binding factor A



SGO_0548

12

27.4%

7

14.7%

4

9.0%

Na/Pi-cotransporter family protein



SGO_0549

3

14.4%

3

11.0%

15

33.8%

nagA; N-acetylglucosamine-6-phosphate deacetylase



SGO_0552

4

20.6%

15

67.3%

10

53.0%

6

33.8%

oxidoreductase, aldo/keto reductase family



SGO_0554

19

15.4%

8

12.2%

4

5.8%

hsdR; type I site-specific deoxyribonuclease



SGO_0556

6

7.0%

5

8.5%

15

33.8%

DNA helicase-like protein, putative

 Show detected proteins only Show all proteins

Proteins found:

1179

 Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0557	4	13.9%							HsdS specificity protein of type I restriction-modification system								
SGO_0558	5	32.7%	3	20.5%	3	20.9%	3	18.5%	hypothetical protein SGO_0558								
SGO_0560	6	20.7%			5	18.1%	5	17.8%	hsdM; type I restriction-modification system, M subunit								
	7	18.1%	3	12.1%	4	15.7%	4	15.3%									
SGO_0565	14	70.0%	19	73.2%	14	60.3%	11	46.8%	adhA; alcohol dehydrogenase								
	18	74.7%	18	72.6%	12	60.3%	11	52.4%									
SGO_0566	34	28.4%	23	21.9%					sgc; serine protease challisin								
	43	32.7%	23	23.1%													
SGO_0568	9	41.6%	6	25.6%	11	42.3%	7	28.9%	glyQ; glycyl-tRNA synthetase, alpha subunit								
	8	36.1%	5	19.0%	12	51.1%	9	35.1%									
SGO_0569	21	35.3%	19	34.8%	27	49.5%	19	33.3%	glyS; glycyl-tRNA synthetase, beta subunit								
	23	35.9%	16	30.0%	27	47.4%	22	40.8%									
SGO_0570					3	29.4%			hypothetical protein SGO_0570								
	4	37.6%			3	29.4%											
SGO_0571	3	7.8%							hypothetical protein SGO_0571								
SGO_0573	7	36.4%	5	23.7%	6	32.3%	3	18.4%	mraW; S-adenosyl-methyltransferase MraW								
	10	50.6%	5	28.5%	6	33.5%	4	19.0%									
SGO_0575	25	47.8%			3	5.6%			pbp2X; penicillin-binding protein 2X								
	23	46.7%			3	6.5%											
SGO_0576	3	11.0%							mraY; phospho-N-acetylmuramoyl-pentapeptide-transferase								

- Show detected proteins only
- Show all proteins

Proteins found:
1179

Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>		Description	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0577	14	42.1%	12	35.6%	16	46.3%	8	26.8%	ATP-dependent RNA helicase								
	17	45.2%	10	27.5%	17	52.3%	6	21.3%									
SGO_0578	5	24.5%							amino acid ABC transporter permease protein								
	6	29.7%															
SGO_0579	8	54.3%	3	24.7%	9	51.8%			amino acid ABC transporter ATP binding protein								
	12	63.2%	3	21.9%	4	28.7%											
SGO_0581	7	25.7%	5	24.3%	6	29.9%	6	25.0%	trxB; thioredoxin-disulfide reductase								
	8	29.9%	5	17.8%	9	38.5%	4	16.1%									
SGO_0582	14	28.2%	22	48.8%	17	45.9%	8	23.5%	nicotinate phosphoribosyltransferase, putative								
	16	35.2%	18	39.9%	19	47.3%	12	34.4%									
SGO_0583	6	29.9%	7	29.6%	9	42.3%	4	19.3%	nadE; NAD+ synthetase								
	5	23.4%	7	32.1%	6	29.2%	5	25.5%									
SGO_0585	6	21.2%	22	53.2%	11	37.6%	6	21.8%	pepC; aminopeptidase C								
	13	30.2%	16	44.6%	13	39.6%	5	20.9%									
SGO_0586	26	50.0%	13	20.8%	19	41.6%	9	21.8%	pbp1a; penicillin-binding protein 1A								
	26	48.5%	12	23.3%	17	35.0%	12	25.7%									
SGO_0589	6	61.2%	4	52.6%	6	61.2%	5	61.2%	methylase								
	6	61.2%	4	45.7%	6	61.2%	6	61.2%									
SGO_0590	7	23.2%	9	22.9%	7	18.8%	4	12.6%	Methyltransferase								
	10	25.0%	10	26.0%	7	20.9%											
SGO_0591	24	60.3%	11	39.7%	14	40.8%	7	23.7%	hypothetical protein SGO_0591								
	26	60.7%	9	26.9%	15	44.7%	8	19.9%									
SGO_0592	5	30.6%	3	18.1%	7	56.9%	5	33.8%	luxS; autoinducer-2 production protein LuxS								
	4	25.6%	4	34.4%	7	55.6%											

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

1179

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>		Description	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0593	25	45.2%	8	21.3%	21	43.9%	11	27.5%	HD/KH domain protein								
	30	47.3%	10	23.4%	20	39.3%	8	16.3%									
SGO_0594	8	40.4%	8	48.1%	8	48.6%	5	20.2%	gmk; Guanylate kinase (GMP kinase)								
	8	40.4%	7	41.3%	8	55.8%	5	30.3%									
SGO_0595	5	43.7%	4	43.7%	6	59.2%	6	58.3%	DNA-directed RNA polymerase, omega subunit								
	6	59.2%	4	43.7%	7	59.2%	6	59.2%									
SGO_0596	5	8.8%	6	14.0%					priA; primosomal protein N"								
			5	8.7%													
SGO_0597	6	32.5%	10	37.6%	11	46.9%	3	14.8%	fmt; methionyl-tRNA formyltransferase								
	6	27.7%	9	39.9%	8	39.5%	3	16.7%									
SGO_0598	7	20.4%			10	30.2%			sun; sun protein								
	6	17.8%	6	20.4%	6	17.4%											
SGO_0599	11	48.0%	15	64.6%	9	39.8%	5	20.3%	phosphoprotein phosphatase								
	11	43.9%	13	52.4%	7	35.4%	6	30.9%									
SGO_0600	22	48.8%	9	19.8%	12	28.5%	5	13.6%	serine/threonine protein kinase								
	24	52.5%	7	16.9%	12	32.4%											
SGO_0602	7	24.0%							histidine kinase								
	7	27.4%															
SGO_0603	4	21.5%	7	35.0%	5	25.7%			response regulator								
	5	25.7%	6	30.8%	4	20.1%											
SGO_0604	14	46.9%	20	62.1%	18	59.3%	8	19.3%	hydrolase, haloacid dehalogenase family/peptidyl-prolyl cis-trans isomerase, cyclophilin type								
	18	54.8%	21	69.0%	20	63.6%	12	35.8%									
SGO_0606	17	70.2%	14	77.7%	15	75.1%	16	82.5%	cysK; cysteine synthase A								
	15	69.6%	13	76.7%	16	81.2%	15	81.9%									

- Show detected proteins only
 Show all proteins

Proteins found:
1179

Filter by category:

ABC Transporter

Dot Plots Dot Plots

Summary Table SgFn vs Sg SgPg vs Sg SgPgFn vs Sg SgPg vs SgFn SgPgFn vs SgFn SgPgFn vs SgPg Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0608	4	13.4%							comFA; competence ComFA-like protein								
	4	14.1%															
SGO_0610	8	48.9%	11	55.6%	9	52.8%	8	51.7%	ribosomal subunit interface protein								
	9	53.9%	9	54.4%	9	52.8%	6	37.8%									
SGO_0626	7	42.2%	3	13.6%	4	18.6%	3	15.5%	recX; Regulatory protein recX								
	4	23.6%			5	22.9%											
SGO_0628	3	21.1%							ymdC; 3''-aminoglycoside phosphotransferase-like protein (kanamycin kinase)								
SGO_0629	4	15.9%			3	10.6%			rumA-1; 23S rRNA (uracil-5-)-methyltransferase RumA								
	6	23.1%															
SGO_0631	4	10.0%	4	9.4%	18	36.2%	6	14.6%	alpha-glycerophosphate oxidase								
					17	36.7%	5	10.0%									
SGO_0632					6	17.9%	5	19.9%	glpK; glycerol kinase								
					6	18.9%	4	13.9%									
SGO_0635	5	21.4%	4	17.4%					hypothetical protein SGO_0635								
SGO_0636	3	41.4%							hypothetical protein SGO_0636								
	3	39.1%															
SGO_0639	23	35.6%	16	27.8%	30	46.0%	19	31.3%	valS; valyl-tRNA synthetase								
	23	38.5%	19	37.8%	29	44.4%	17	28.9%									
SGO_0640	4	17.7%			4	12.6%			modification methylase								
	4	16.2%			3	13.4%	4	14.3%									
SGO_0641	17	30.0%	17	34.6%	21	40.1%	9	16.9%	ATPase, histidine kinase-, DNA gyrase B-, and HSP90-like domain protein protein								
	15	27.8%	13	24.5%	18	37.7%	6	11.0%									

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1179

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Summary Table SgFn vs Sg SgPg vs Sg SgPgFn vs Sg SgPg vs SgFn SgPgFn vs SgFn SgPgFn vs SgPg Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0642	15	35.5%	5	14.7%	10	23.4%	7	21.2%	hypothetical protein SGO_0642								
	19	37.2%	4	11.8%	10	24.4%	6	15.9%									
SGO_0643	8	24.6%	3	12.1%	5	15.0%	3	8.9%	cytosine-specific methyltransferase								
	7	24.6%	3	9.9%	7	25.9%											
SGO_0644	9	28.1%	7	20.5%	16	42.5%	9	30.6%	hypothetical protein SGO_0644								
	11	34.3%	8	23.7%	14	39.1%	11	34.0%									
SGO_0649									hypothetical protein SGO_0649								
	3	19.1%															
SGO_0652	16	39.5%	3	11.8%	7	21.6%	4	13.8%	hypothetical protein SGO_0652								
	19	48.7%	4	14.7%	4	15.3%	4	11.0%									
SGO_0653					4	24.2%			conserved hypothetical protein of unknown function (DUF1027)								
	5	28.1%			3	19.1%											
SGO_0654	13	48.1%	4	17.7%	10	35.4%	6	21.3%	radical SAM enzyme, Cfr family								
	20	53.9%			10	35.4%	5	18.2%									
SGO_0656	7	23.9%	8	29.0%	5	20.4%	5	18.6%	trpB-2; tryptophan synthase, beta subunit								
	8	28.8%	10	30.5%	6	22.4%	4	17.6%									
SGO_0657									trpE; anthranilate synthase component I								
	4	10.0%															
SGO_0662			5	19.9%					trpB-1; tryptophan synthase, beta subunit								
	3	9.8%	3	10.3%													
SGO_0663									trpA-2; tryptophan synthase, alpha subunit								
	3	13.1%															
SGO_0665	9	71.3%	8	66.7%	8	66.7%	6	53.8%	non-heme iron-containing ferritin								
	8	66.7%	10	74.3%	8	64.3%	6	53.8%									

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1179

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0667	4	38.3%			4	38.3%			rhodanese family protein								
	5	39.1%			3	29.7%											
SGO_0669	15	33.3%	12	27.6%	18	35.1%	14	30.1%	typA; GTP-binding protein TypA								
	16	35.8%	17	38.2%	16	34.8%	12	26.7%									
SGO_0671	11	31.6%	19	58.4%	18	54.0%	3	13.6%	murD; UDP-N-acetylmuramoylalanine--D-glutamate ligase								
	15	39.1%	14	46.7%	17	51.3%	5	17.3%									
SGO_0672	18	61.5%	8	32.6%	7	28.4%	3	9.6%	murG; undecaprenyl-PP-MurNAc-pentapeptide-UDPGlcNAc GlcNAc transferase								
	16	54.2%	10	37.6%	10	39.3%											
SGO_0673	12	29.2%	5	17.4%	4	15.1%	3	10.1%	DivIB; cell division protein DivIB								
	18	32.2%	5	16.4%													
SGO_0674	19	52.4%	19	53.0%	18	54.3%	15	47.9%	ftsA; cell division protein FtsA								
	23	59.2%	17	52.1%	19	55.4%	15	46.6%									
SGO_0675	17	49.2%	20	52.3%	17	48.9%	15	43.9%	ftsZ; cell division protein FtsZ								
	19	49.4%	18	50.6%	17	50.8%	15	46.1%									
SGO_0676	5	32.7%	5	27.4%	4	24.7%	4	31.4%	conserved hypothetical protein TIGR00044								
	7	39.0%	5	32.3%	6	38.1%	3	17.9%									
SGO_0677	8	50.3%	7	55.6%	4	37.0%	3	31.7%	ylmF protein								
	9	63.5%	6	53.4%	7	56.6%	3	31.7%									
SGO_0680	13	57.3%	12	56.5%	15	57.3%	13	52.4%	cell division protein DivIVA								
	13	57.3%	9	43.9%	15	57.3%	12	54.5%									
SGO_0681	23	32.5%	22	33.9%	30	40.6%	21	33.2%	ileS; isoleucyl-tRNA synthetase								
	28	36.1%	21	39.6%	29	41.0%	19	30.8%									
SGO_0684	4	41.4%	5	41.4%	5	41.4%	4	41.4%	hypothetical protein SGO_0684								
	5	42.4%	6	42.4%	4	41.4%	4	41.4%									

 Show detected proteins only Show all proteins

Proteins found:

1179

 Filter by category:

ABC Transporter

Dot Plots Dot Plots

Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0685	3	32.7%	3	34.0%					MutT/nudix family protein								
SGO_0688	27	48.1%	15	24.7%	24	41.7%	14	27.6%	ATP dependent Clp protease, ATP-binding subunit, ClpE								
	35	50.2%	16	31.6%	26	48.2%	13	23.4%									
SGO_0689	4	31.6%							hypothetical protein SGO_0689								
SGO_0690	3	17.3%	3	17.3%					folD; methenyltetrahydrofolate cyclohydrolase								
	4	20.8%	5	25.0%	3	17.3%											
SGO_0693	12	33.6%	8	24.7%	3	10.8%			xseA; exodeoxyribonuclease VII, large subunit								
	14	33.2%	15	39.2%	3	10.8%	3	8.5%									
SGO_0694					3	45.7%			xseB; exodeoxyribonuclease VII, small subunit								
	3	61.4%															
SGO_0695			3	9.6%					geranyltranstransferase								
					3	16.5%											
SGO_0696	3	10.3%							hemolysin-like protein								
	4	18.1%															
SGO_0697	3	34.3%			3	32.9%			transcription regulator								
	4	34.3%															
SGO_0698	8	24.6%	10	27.0%	6	17.8%			recN; DNA repair protein RecN								
	14	38.2%	7	18.3%	12	33.3%											
SGO_0699	3	26.4%	5	41.7%	3	31.4%			Serine/threonine protein phosphatase								
	3	25.2%	6	35.1%	4	35.1%											
SGO_0700	7	39.4%	6	31.4%	8	42.2%	3	11.6%	DegV family protein								
	7	33.6%	4	16.2%	9	45.1%	4	18.1%									

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

1179

Dot Plots Dot Plots

Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

SGO_0701

7

59.3%

8

73.6%

6

49.5%

7

62.6%

hup; DNA-binding histone-like protein HU



SGO_0704

15

70.9%

17

79.1%

21

80.4%

18

81.3%

gpmA; 2,3-bisphosphoglycerate-dependent phosphoglycerate mutase



SGO_0705

3

45.5%

Protein of unknown function (DUF1250) superfamily



SGO_0706

3

12.0%

11

47.3%

7

32.8%

phoH-like protein



SGO_0707

36

28.7%

32

25.8%

10

11.6%

6

4.9%

LPXTG cell wall surface protein



SGO_0708

18

65.1%

23

92.7%

19

77.6%

16

71.9%

ald; alanine dehydrogenase



SGO_0711

3

12.7%

4

20.6%

conserved hypothetical protein TIGR00043



SGO_0713

14

51.8%

15

61.9%

14

54.8%

7

29.1%

sgg; GTP-binding protein Era



SGO_0715

3

18.2%

3

19.0%

mutM; formamidopyrimidine-DNA glycosylase



SGO_0719

14

22.9%

6

11.3%

4

8.6%

rnr; ribonuclease R



SGO_0721

7

13.7%

4

8.0%

4

7.5%

6

11.1%

abpB-like dipeptidase lipoprotein



SGO_0722

4

19.2%

5

22.0%

5

19.6%

tehB; tellurite resistance protein TehB

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

1179

Dot Plots Dot Plots

Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0724	12	32.5%	6	20.5%	5	16.1%			dipeptidase								
	14	36.0%	5	14.4%	6	18.1%											
SGO_0728	4	27.0%							ABC transporter, ATP-binding protein SP1653								
	4	5.2%							ABC transporter permease protein								
SGO_0729	7	9.7%							RRF2 family protein								
	4	41.6%															
SGO_0731	4	41.6%							hprK; HPr(Ser) kinase/phosphatase								
	9	43.1%	10	46.3%	5	22.8%	3	11.9%									
SGO_0736	8	37.9%	9	42.8%	5	21.5%			lgt; prolipoprotein diacylglyceryl transferase								
	3	14.5%							Bacterial protein of unknown function (DUF948) family								
SGO_0737	5	57.5%			4	51.2%			hypothetical protein SGO_0739								
	5	57.5%			3	28.3%											
SGO_0738	7	43.5%			8	63.9%	4	43.5%	peptidase, U32 family								
	7	46.9%	4	28.6%	7	63.9%	6	55.8%									
SGO_0739	4	17.2%	7	29.8%	4	18.8%	4	16.8%	peptidase, U32 family								
	5	20.7%	6	29.4%	5	25.9%											
SGO_0742	13	38.1%	9	27.3%	10	30.1%	7	21.5%	hypothetical protein SGO_0745								
	16	48.8%	6	17.8%	10	28.7%	7	24.5%									
SGO_0743	3	44.3%			4	44.3%	4	44.3%	glutathione reductase								
	3	44.3%	3	38.6%	4	44.3%	4	44.3%									
SGO_0745	5	19.2%	12	48.6%	11	45.9%	7	20.3%									
	9	29.0%	12	45.4%	9	38.8%	6	21.4%									

- Show detected proteins only
- Show all proteins

Proteins found:
1179

Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0750	21	64.0%	5	16.8%	16	53.8%	12	49.0%	efflux transporter, RND family, MFP subunit subfamily								
	20	61.9%	4	18.8%	18	60.9%	12	41.4%									
SGO_0751	9	45.0%	3	20.8%	13	74.5%	7	44.6%	ABC transporter, ATP-binding protein SP0786								
	11	56.3%	5	34.2%	11	68.4%	7	40.3%									
SGO_0752	10	28.5%			5	17.5%			ABC transporter, ATP-binding protein								
	14	36.6%			6	16.7%	5	13.0%									
SGO_0753	22	45.8%	20	38.1%	24	48.0%	16	32.5%	lysS; lysyl-tRNA synthetase								
	26	45.4%	19	40.3%	22	45.8%	16	33.3%									
SGO_0754									phosphoglycerate mutase family protein								
			4	42.3%	3	27.7%											
SGO_0755	6	57.0%	4	39.2%	4	43.7%			regulatory protein								
	6	55.1%	5	44.9%	6	55.1%	4	41.8%									
SGO_0757	10	49.2%							peptidase, U32 family								
	9	52.4%															
SGO_0760	37	44.2%	34	42.7%	40	50.7%	18	24.1%	ppc; phosphoenolpyruvate carboxylase								
	41	44.4%	29	40.4%	38	45.9%	18	23.8%									
SGO_0761	31	78.1%	42	82.2%	37	79.9%	36	79.4%	tuf; translation elongation factor Tu								
	32	78.1%	52	98.0%	36	79.9%	36	81.2%									
SGO_0762	12	54.0%	13	55.2%	14	55.2%	12	54.0%	tpiA; triosephosphate isomerase								
	12	54.0%	13	54.0%	13	55.2%	12	54.0%									
SGO_0763	19	59.9%	11	41.1%	14	45.5%	9	26.3%	murA-1; UDP-N-acetylglucosamine 1-carboxyvinyltransferase								
	17	58.2%	12	40.4%	15	54.2%	8	24.4%									
SGO_0765	4	21.9%							endA; DNA-entry nuclease								
	8	49.1%															

- Show detected proteins only
 Show all proteins

Proteins found:
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Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

SGO_0767

9

40.5%

11

50.5%

6

33.2%

transport protein



SGO_0771

12

45.0%

16

64.7%

12

58.9%

12

48.1%

pepqr; proline dipeptidase



SGO_0773

25

82.3%

14

65.3%

18

74.6%

13

60.5%

ccpA; catabolite control protein A



SGO_0774

12

38.0%

5

15.9%

5

20.6%

4

17.1%

glycosyl transferase, group 1 family protein



SGO_0775

13

32.3%

11

30.9%

9

23.8%

4

12.4%

glycosyl transferase, group 1



SGO_0778

23

46.7%

24

56.0%

25

53.8%

18

33.2%

thrS; threonyl-tRNA synthetase



SGO_0779

7

45.5%

16

70.0%

13

65.2%

5

30.0%

response regulator



SGO_0780

14

37.7%

7

19.4%

3

5.3%

histidine kinase



SGO_0781

11

43.8%

vicX; Zn-dependent hydrolase (beta-lactamase superfamily)



SGO_0782

3

16.9%

Protein of unknown function (DUF454) family



SGO_0784

53

48.3%

18

21.9%

24

24.9%

9

10.0%

smc; chromosome segregation protein SMC



SGO_0785

4

20.4%

3

15.8%

3

20.0%

Cof family protein

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0786	6	39.4%			6	39.4%	5	33.8%	Cof family protein								
	5	33.8%	4	25.7%	7	46.1%	5	33.8%									
SGO_0787	20	47.1%	14	38.9%	12	31.4%	6	15.3%	ftsY; cell division protein FtsY								
	24	54.6%	9	23.8%	14	33.5%	7	17.4%									
SGO_0788	7	18.5%	19	47.5%	15	40.7%	7	19.8%	zwf; glucose-6-phosphate 1-dehydrogenase								
	12	30.5%	18	47.5%	13	38.5%	9	20.6%									
SGO_0792	21	34.6%	7	13.5%	21	35.4%	11	18.5%	hypothetical protein SGO_0792								
	20	34.9%	6	12.7%	15	23.5%	9	18.0%									
SGO_0794	16	38.9%	19	43.4%	20	35.6%	9	20.4%	metallo-beta-lactamase family protein								
	19	41.6%	15	39.2%	19	39.4%	10	25.9%									
SGO_0795	4	24.0%	6	31.2%	5	32.3%	4	26.6%	tributylin esterase								
	5	31.2%	9	44.9%	6	41.8%	3	21.7%									
SGO_0797			4	12.3%					RocB protein, putative								
	6	12.8%															
SGO_0798	11	64.8%	8	49.0%	11	63.2%	5	29.6%	ABC transporter, ATP-binding protein SP1381								
	10	55.1%	8	48.2%	11	60.3%	6	35.2%									
SGO_0800	11	48.2%	4	23.0%	6	29.7%	3	15.7%	polysaccharide deacetylase family protein								
	11	48.2%	4	16.3%	5	23.3%											
SGO_0801	15	48.4%	16	54.9%	18	60.0%	16	50.5%	hom; homoserine dehydrogenase								
	16	53.5%	17	55.4%	17	54.2%	12	42.5%									
SGO_0802	10	54.9%	8	43.1%	10	55.6%	5	28.1%	thrB; homoserine kinase								
	12	60.1%	13	63.5%	10	60.1%	8	41.0%									
SGO_0803	7	20.8%			7	21.8%	3	15.3%	hypothetical protein SGO_0803								
	8	23.8%			8	23.8%	4	15.3%									

Description

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0786	6	39.4%			6	39.4%	5	33.8%	Cof family protein								
	5	33.8%	4	25.7%	7	46.1%	5	33.8%									
SGO_0787	20	47.1%	14	38.9%	12	31.4%	6	15.3%	ftsY; cell division protein FtsY								
	24	54.6%	9	23.8%	14	33.5%	7	17.4%									
SGO_0788	7	18.5%	19	47.5%	15	40.7%	7	19.8%	zwf; glucose-6-phosphate 1-dehydrogenase								
	12	30.5%	18	47.5%	13	38.5%	9	20.6%									
SGO_0792	21	34.6%	7	13.5%	21	35.4%	11	18.5%	hypothetical protein SGO_0792								
	20	34.9%	6	12.7%	15	23.5%	9	18.0%									
SGO_0794	16	38.9%	19	43.4%	20	35.6%	9	20.4%	metallo-beta-lactamase family protein								
	19	41.6%	15	39.2%	19	39.4%	10	25.9%									
SGO_0795	4	24.0%	6	31.2%	5	32.3%	4	26.6%	tributylin esterase								
	5	31.2%	9	44.9%	6	41.8%	3	21.7%									
SGO_0797			4	12.3%					RocB protein, putative								
	6	12.8%															
SGO_0798	11	64.8%	8	49.0%	11	63.2%	5	29.6%	ABC transporter, ATP-binding protein SP1381								
	10	55.1%	8	48.2%	11	60.3%	6	35.2%									
SGO_0800	11	48.2%	4	23.0%	6	29.7%	3	15.7%	polysaccharide deacetylase family protein								
	11	48.2%	4	16.3%	5	23.3%											
SGO_0801	15	48.4%	16	54.9%	18	60.0%	16	50.5%	hom; homoserine dehydrogenase								
	16	53.5%	17	55.4%	17	54.2%	12	42.5%									
SGO_0802	10	54.9%	8	43.1%	10	55.6%	5	28.1%	thrB; homoserine kinase								
	12	60.1%	13	63.5%	10	60.1%	8	41.0%									
SGO_0803	7	20.8%			7	21.8%	3	15.3%	hypothetical protein SGO_0803								
	8	23.8%			8	23.8%	4	15.3%									

- Show detected proteins only
 Show all proteins

Proteins found:
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Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0804	5	17.2%	4	20.5%	4	11.9%			murB; UDP-N-acetylenolpyruvoylglucosamine reductase								
	6	25.2%	4	20.5%	4	22.2%											
SGO_0805	12	30.9%	4	21.0%	3	13.8%			potA; spermidine/putrescine ABC transporter, ATP-binding subunit								
	12	28.1%	4	21.8%	5	11.7%											
SGO_0806	4	15.7%							potB; spermidine/putrescine ABC transporter, permease protein								
	4	15.7%															
SGO_0808	13	57.0%	3	12.4%					potD; spermidine/putrescine ABC transporter								
	16	57.3%			6	29.2%											
SGO_0812	7	35.6%	5	31.5%	5	25.6%			hypothetical protein SGO_0812								
	8	39.6%	7	38.9%	5	30.0%											
SGO_0813			3	3.8%					fructose-bisphosphatase								
	3	4.4%	3	7.7%													
SGO_0814							3	7.4%	aminotransferase, class-V								
	5	27.4%			3	13.9%											
SGO_0815	15	51.2%	8	31.4%	14	47.3%	6	22.0%	thiI; thiamine biosynthesis protein ThiI								
	18	59.2%	9	33.4%	13	41.6%	7	26.5%									
SGO_0817	5	22.3%							hypothetical protein SGO_0817								
	3	18.8%															
SGO_0818	3	49.0%	3	49.0%	4	57.7%	3	49.0%	rplU; ribosomal protein L21								
	4	54.8%			3	49.0%	3	49.0%									
SGO_0820	3	37.1%			5	49.5%	3	37.1%	rpmA; ribosomal protein L27								
	3	37.1%	3	37.1%	5	49.5%	3	37.1%									
SGO_0822	3	30.3%							lipoprotein, putative								
	5	36.0%															

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0823	4	23.7%	3	13.7%	4	25.9%			Cof family protein								
	4	23.7%	3	13.7%	4	25.9%											
SGO_0824	11	31.3%	10	26.5%	15	38.9%	11	29.8%	lepA; GTP-binding protein LepA								
	19	46.5%	13	32.1%	12	34.3%	10	27.8%									
SGO_0825	9	54.0%	3	20.4%	4	27.5%			lipoprotein, putative								
	7	35.1%			3	20.4%											
SGO_0830	3	7.0%			3	8.5%			uvrC; excinuclease ABC, C subunit								
	3	7.4%	3	10.8%													
SGO_0832	7	73.7%	3	43.0%	3	39.5%			hypothetical protein SGO_0832								
	8	78.9%			3	47.4%	3	40.4%									
SGO_0833			7	40.2%	3	19.2%			phosphoesterase-related gene								
			7	31.3%	5	28.1%											
SGO_0834	4	8.1%							hypothetical protein SGO_0834								
	5	9.2%	3	7.4%													
SGO_0835	8	39.8%	12	62.7%	12	58.7%	10	57.2%	nitroreductase								
	11	63.7%	11	62.7%	11	58.7%	10	61.2%									
SGO_0836	17	52.2%	21	60.0%	21	65.5%	15	54.4%	pepV; dipeptidase PepV								
	16	46.5%	22	69.2%	22	66.0%	13	48.4%									
SGO_0841			14	51.8%					oxidoreductase								
	4	13.9%	15	56.1%													
SGO_0842	4	51.0%	8	62.2%	3	40.8%	3	34.7%	rhodanese family protein								
	4	51.0%	5	58.2%	5	58.2%	3	34.7%									
SGO_0848	3	59.6%	5	60.6%	5	60.6%	5	60.6%	rpmE; ribosomal protein L31								
	3	59.6%	3	59.6%	6	61.7%	4	60.6%									

- Show detected proteins only
- Show all proteins

Proteins found:
1179

Filter by category:

ABC Transporter

Dot Plots Dot Plots

Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0849	9	31.2%	10	41.1%	10	43.3%			DHH subfamily 1 protein								
	12	43.0%	7	32.5%	8	34.7%											
SGO_0850	4	51.7%	5	55.8%	4	51.7%	4	51.7%	flavodoxin								
	3	38.1%	4	51.7%	4	51.7%	4	51.7%									
SGO_0851	6	18.8%	3	15.5%	3	15.2%			putative permease								
	3	11.1%			3	15.7%											
SGO_0852	8	29.9%	4	15.8%	4	14.8%			TPR domain protein								
	7	24.2%	5	17.8%	3	12.3%											
SGO_0853	6	37.2%	3	21.8%	3	19.7%			budA; alpha-acetolactate decarboxylase								
	4	25.1%	4	24.7%	3	22.2%											
SGO_0854	65	33.6%	23	18.9%	7	5.9%	4	3.1%	cshA; surface-associated protein CshA								
	71	35.1%	18	15.7%	10	9.1%	4	2.6%									
SGO_0855	10	24.2%	6	14.0%	9	24.5%			fbpA; fibronectin-binding protein A								
	12	28.9%	6	18.2%	8	18.4%											
SGO_0856	14	68.3%	6	32.3%	12	60.8%	6	27.8%	ABC transporter, substrate binding protein								
	19	73.1%	5	24.6%	12	56.3%	6	27.2%									
SGO_0858	4	16.7%							ABC transporter, ATP-binding protein								
	7	33.7%															
SGO_0859	13	44.4%	10	34.7%	11	39.0%	6	20.6%	pheS; phenylalanyl-tRNA synthetase, alpha subunit								
	13	42.1%	11	36.1%	11	39.3%	9	31.2%									
SGO_0861	25	42.9%	15	29.0%	26	50.2%	16	30.3%	pheT; phenylalanyl-tRNA synthetase, beta subunit								
	27	40.2%	15	33.6%	26	44.9%	16	29.8%									
SGO_0862	3	14.3%							hypothetical protein SGO_0862								
	4	24.5%															

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

1179

Dot Plots Dot Plots

Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

SGO_0868

3

59.7%

hypothetical protein SGO_0868



SGO_0877

3

13.9%

permease domain protein



SGO_0885

7

44.4%

6

40.6%

4

24.9%

3

20.3%

cobyric acid synthase



SGO_0886

4

13.4%

6

18.1%

4

12.8%

Mur ligase family protein



SGO_0887

7

24.6%

10

28.5%

conserved hypothetical protein TIGR00159



SGO_0888

6

41.5%

3

25.8%

hypothetical protein SGO_0888



SGO_0889

14

42.0%

6

19.3%

14

40.9%

9

24.2%

glmM; phosphoglucosamine mutase



SGO_0890

7

11.0%

9

17.3%

LPXTG cell wall surface protein, collagen binding domain



SGO_0893

16

53.2%

15

56.7%

15

54.4%

10

39.0%

GTP-binding protein



SGO_0899

4

15.0%

7

24.6%

putative hydrolase or acyltransferase



SGO_0901

10

28.1%

10

29.9%

10

26.8%

3

10.3%

DNA-directed DNA polymerase III



SGO_0904

3

10.5%

purR; galactose operon repressor GalR

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

1179

Dot Plots Dot Plots

Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0905	5	40.8%							lipoprotein, putative								
	6	45.9%															
SGO_0906	9	25.7%	15	33.3%	16	36.0%	10	29.3%	leuA; 2-isopropylmalate synthase								
	9	24.1%	15	35.1%	14	35.1%	13	38.1%									
SGO_0907	3	11.6%							leuB; 3-isopropylmalate dehydrogenase								
	3	12.8%			3	11.6%											
SGO_0909			4	18.7%					leuC; 3-isopropylmalate dehydratase, large subunit								
			3	16.1%	4	10.4%											
SGO_0911	6	36.3%	12	65.3%	14	69.1%	9	54.4%	hypothetical protein SGO_0911								
	12	57.9%	11	58.7%	10	57.1%	9	48.3%									
SGO_0915	6	43.4%			3	21.9%			proV; ABC-type proline/glycine betaine transporter								
	8	47.5%			3	25.2%											
SGO_0916	12	32.4%							proWX; ABC transporter membrane-spanning permease								
	13	36.4%															
SGO_0932	6	15.3%							galK; galactokinase								
	5	17.1%															
SGO_0934			3	15.9%					galE-2; UDP-glucose 4-epimerase								
	5	22.2%	3	15.9%													
SGO_0936	4	6.4%							phosphoenolpyruvate synthase, putative								
	3	4.9%					3	5.5%									
SGO_0938							3	15.2%	Phosphatidylserine decarboxylase proenzyme 2								
SGO_0940	8	16.1%					3	7.6%	ppsA; phosphoenolpyruvate synthase								
	5	8.6%															

- Show detected proteins only
 Show all proteins

Proteins found:
1179

Filter by category:

ABC Transporter

Dot Plots Dot Plots

Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>		Description	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0941	4	18.2%							hypothetical protein SGO_0941								
SGO_0942	17	8.7%							zmpC; zinc metalloproteinase C								
	17	10.7%															
SGO_0944	3	20.4%							ABC transporter, ATP-binding protein								
	4	27.4%															
SGO_0946	6	21.2%	7	25.8%	7	24.6%	4	15.4%	Deblocking aminopeptidase								
	7	26.1%	8	32.5%	4	15.1%	5	18.3%									
SGO_0948	9	28.0%	7	16.1%					pgdA; peptidoglycan N-acetylglucosamine deacetylase A								
	8	20.6%	10	29.2%													
SGO_0949	8	27.0%	5	24.0%	5	17.0%	3	10.0%	deaD; DEAD RNA helicase								
	8	24.0%	4	15.9%	5	18.6%											
SGO_0950			7	31.9%	3	16.9%	3	22.4%	oxidoreductase								
	6	28.8%	5	23.3%	3	16.9%											
SGO_0951	7	43.8%	6	44.8%	7	44.3%	4	27.6%	udk; uridine kinase								
	8	48.1%	6	44.8%	7	54.8%	3	22.9%									
SGO_0953					3	42.1%			endoribonuclease L-PSP, putative								
					3	42.1%											
SGO_0954	8	32.1%	7	26.0%	6	28.7%	3	11.8%	ATP-binding protein								
	7	30.4%	6	26.4%	9	37.5%	4	18.6%									
SGO_0955	5	22.8%	5	21.3%					transporter								
	6	26.5%	4	17.3%	6	27.2%											
SGO_0957	6	46.6%							hypothetical protein SGO_0957								
	6	46.6%	3	24.5%													

- Show detected proteins only
- Show all proteins

Proteins found:
1179

Filter by category:

ABC Transporter

Dot Plots Dot Plots

Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0959	5	36.2%	6	45.7%	5	36.2%			copper homeostasis protein CutC								
	3	24.8%	6	37.6%	5	36.2%											
SGO_0961	5	15.4%							ABC transporter, permease/ATP-binding protein								
	7	15.9%															
SGO_0962	3	7.6%							ABC transporter, permease/ATP-binding protein								
	3	8.3%															
SGO_0966	9	5.6%	5	4.2%					hsa; streptococcal hemagglutinin								
	10	6.3%	5	3.8%													
SGO_0969	4	17.1%	3	13.8%					nss; nucleotide sugar synthetase-like protein								
	3	17.1%															
SGO_0971	4	9.1%							asp1; accessory secretory protein								
	4	9.9%															
SGO_0972									asp2; accessory secretory protein								
	5	12.0%															
SGO_0975	6	16.6%							gtaA; glycosyl transferase, group 1 SP1758								
	4	10.3%															
SGO_0979	4	15.7%							degV family protein								
	4	16.7%															
SGO_0980	3	18.0%							transcriptional regulator, TetR family domain protein								
SGO_0981	6	40.6%			4	31.6%			comE operon protein 2 family								
	5	41.9%	3	20.6%													
SGO_0982	19	68.0%	4	25.4%	11	47.9%	4	24.3%	amino acid ABC transporter, amino acid-binding protein								
	23	70.8%	3	17.6%	10	49.6%	4	25.4%									

- Show detected proteins only
 Show all proteins

Proteins found:
1179

Filter by category:

ABC Transporter

Dot Plots Dot Plots

Summary Table SgFn vs Sg SgPg vs Sg SgPgFn vs Sg SgPg vs SgFn SgPgFn vs SgFn SgPgFn vs SgPg Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_0983	5	36.9%							amino acid ABC transporter, ATP-binding protein SP0709								
	5	36.9%			3	21.0%											
SGO_0986	5	26.5%							hypothetical protein SGO_0986								
	5	26.5%															
SGO_0987	12	30.6%	16	38.4%	16	40.4%	11	35.9%	metK; S-adenosylmethionine synthetase								
	13	34.1%	14	39.4%	10	30.3%	10	28.0%									
SGO_0991	3	53.6%							hypothetical protein SGO_0991								
					3	53.6%											
SGO_0993			3	8.5%			4	12.9%	GTP-binding protein HfIX								
			4	10.2%	5	13.8%											
SGO_0994	3	21.7%			3	24.6%			hypothetical protein SGO_0994								
	5	39.1%			3	24.6%											
SGO_0995	7	23.0%	4	22.7%	13	56.0%	4	20.4%	metallo-beta-lactamase superfamily protein								
	7	31.4%	6	28.5%	6	27.5%											
SGO_0996	5	25.5%							oxidoreductase, short-chain dehydrogenase/reductase family								
	6	38.6%															
SGO_0997	7	34.6%	3	17.5%	4	23.1%			hypothetical protein SGO_0997								
	7	34.6%	3	17.5%	3	17.5%											
SGO_1000	4	8.1%	9	19.2%	9	17.9%			recJ; single-stranded-DNA-specific exonuclease RecJ								
			11	22.9%	7	14.1%											
SGO_1001	11	67.1%	9	67.6%	11	78.2%	12	72.9%	apt; adenine phosphoribosyltransferase								
	11	77.6%	8	68.8%	13	82.9%	10	75.9%									
SGO_1002									metA; homoserine O-succinyltransferase								
	4	15.3%															

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1179

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1003	7	38.5%	3	16.4%	5	29.6%			DNA replication protein DnaD								
	5	29.6%	4	23.9%	6	32.3%											
SGO_1004			3	14.1%	4	17.2%			glutathione S-transferase family protein								
	3	14.1%	5	25.2%	3	13.4%											
SGO_1005	3	21.0%	5	34.5%	5	27.1%	4	27.5%	Bcl-2 family protein								
	5	30.1%	5	27.1%	6	39.3%	3	23.1%									
SGO_1006			3	15.8%	4	22.6%			conserved hypothetical protein TIGR00486								
	3	14.3%			3	15.8%											
SGO_1007					3	11.5%			oxidoreductase, DadA family protein SP1608								
					3	11.5%											
SGO_1009	13	63.3%	23	87.9%	17	77.2%	15	77.5%	rfbA-1; glucose-1-phosphate thymidyltransferase								
	16	65.4%	21	92.0%	19	85.1%	15	70.6%									
SGO_1010	7	42.6%	8	47.2%	7	42.6%	7	42.6%	rmIC; dTDP-4-keto-6-deoxyglucose-3,5-epimerase								
	9	47.2%	7	48.2%	7	42.6%	6	38.1%									
SGO_1011	10	38.2%	20	64.4%	16	51.7%	14	47.7%	rfbB-1; dTDP-glucose 4,6-dehydratase								
	16	53.2%	17	57.5%	17	51.7%	13	49.1%									
SGO_1012	14	50.1%	17	56.9%	14	47.5%	11	43.4%	galE-1; UDP-glucose 4-epimerase								
	12	48.1%	18	62.8%	14	57.8%	14	55.8%									
SGO_1013	6	37.3%					3	17.8%	Glycosyltransferase involved in cell wall biogenesis								
	7	41.5%	3	16.9%	3	23.7%											
SGO_1016	8	41.5%	3	12.3%	5	26.9%	3	15.8%	putative glycosyltransferase								
	9	46.9%			5	27.3%											
SGO_1018	4	9.1%							hypothetical protein SGO_1018								
	3	8.1%															

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

SGO_1019

7

29.2%

4

19.2%

3

13.6%

glycosyl transferase



SGO_1020

13

55.1%

15

62.5%

12

57.2%

8

32.9%

rfbD; dTDP-4-dehydrorhamnose reductase



SGO_1021

9

38.2%

rgpA; rhamnosyltransferase, putative



SGO_1022

8

35.8%

rhamnosyltransferase



SGO_1024

15

37.8%

4

15.5%

9

26.5%

putative polysaccharide ABC transporter



SGO_1025

12

39.6%

8

30.7%

9

28.1%

9

24.7%

rgp; glycosyltransferase



SGO_1026

22

34.7%

9

16.0%

8

19.2%

3

5.8%

rhamnosyltransferase



SGO_1027

11

20.2%

hypothetical protein SGO_1027



SGO_1028

3

28.4%

hypothetical protein SGO_1028



SGO_1030

3

28.9%

hypothetical protein SGO_1030



SGO_1031

6

39.1%

6

43.1%

7

48.0%

3

23.1%

cmk; cytidylate kinase



SGO_1032

4

29.0%

4

30.7%

4

24.4%

infC; translation initiation factor IF-3

 Show detected proteins only Show all proteins

Proteins found:

1179

 Filter by category:

ABC Transporter

Dot Plots Dot Plots

Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1033	3	18.2%	5	33.3%			3	18.2%	rpmI; ribosomal protein L35								
	5	30.3%	4	18.2%			4	18.2%									
SGO_1034	7	52.1%	6	54.6%	7	52.1%	5	47.1%	rplT; ribosomal protein L20								
	7	52.1%	8	73.9%	7	52.1%	5	51.3%									
SGO_1035	4	34.1%	5	36.5%	3	28.6%	3	28.6%	gloA; lactoylglutathione lyase								
	4	34.1%	5	38.1%	3	28.6%	3	28.6%									
SGO_1036	10	54.9%	13	69.1%	7	45.5%	3	17.5%	amino acid ABC transporter, ATP-binding protein SP1242								
	9	52.0%	6	35.8%	10	64.6%	3	20.3%									
SGO_1037	9	26.6%	3	8.0%	5	9.5%			glutamine ABC transporter permease and substrate binding protein								
	13	37.1%	4	14.2%	8	21.6%											
SGO_1038	6	10.6%	9	19.2%	7	14.8%	6	10.1%	uvrB; excinuclease ABC, B subunit								
	8	15.6%	9	19.9%	8	16.0%	7	13.1%									
SGO_1039	4	18.2%							hypothetical protein SGO_1039								
	3	10.5%															
SGO_1041			3	32.0%	3	27.1%			hypothetical protein SGO_1041								
	3	24.3%			4	40.3%											
SGO_1044					3	26.5%			MutT/nudix family protein								
	3	22.6%	3	23.9%	4	32.9%											
SGO_1047	10	29.2%			8	22.2%	5	14.6%	hypothetical protein SGO_1047								
	14	35.4%	3	9.7%	9	27.1%	3	9.4%									
SGO_1049	3	18.8%			4	21.6%	3	20.5%	tRNA pseudouridine synthase B								
	6	29.8%			4	22.6%											
SGO_1050					4	15.4%			ribF; riboflavin biosynthesis protein RibF								
	3	9.8%	3	10.5%	3	12.1%	4	16.4%									

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

1179

Dot Plots Dot Plots

Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>		Description	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1051					5	43.6%	3	21.8%	negative regulator of proteolysis								
SGO_1054	4	13.8%			3	14.5%			NOL1/NOP2/sun family protein								
	5	18.2%															
SGO_1055	12	67.2%			4	21.2%			phosphate ABC transporter, phosphate-binding protein								
	13	71.3%			5	25.9%											
SGO_1057									pstA; phosphate ABC transporter, permease protein PstA								
	4	10.2%															
SGO_1058	12	40.8%			5	17.6%	4	13.1%	pstB; Phosphate import ATP-binding protein pstB 2 (Phosphate-transporting ATPase 2) (ABC phosphate transporter 2)								
	14	46.1%			4	15.4%											
SGO_1059	9	46.4%	3	17.9%	7	48.4%	7	44.8%	pstB; Phosphate import ATP-binding protein pstB 1 (Phosphate-transporting ATPase 1) (ABC phosphate transporter 1)								
	9	46.4%	3	17.9%	8	48.8%	6	38.5%									
SGO_1060	11	55.8%	7	39.2%	9	54.4%	6	37.8%	phosphate transport system regulatory protein								
	11	55.8%	7	41.0%	12	57.6%	6	37.8%									
SGO_1065	8	41.7%	7	42.8%	4	32.1%	4	32.1%	hypothetical protein SGO_1065								
	8	43.3%	4	32.1%	4	32.1%	3	27.8%									
SGO_1066	12	37.3%	8	23.9%	5	12.0%			hypothetical protein SGO_1066								
	14	37.0%	10	25.0%	4	11.1%											
SGO_1067			3	64.3%					hypothetical protein SGO_1067								
	3	57.1%															
SGO_1069	32	45.6%	27	44.3%	36	53.5%	21	37.5%	membrane alanyl aminopeptidase								
	27	40.0%	35	54.9%	31	51.0%	20	35.1%									
SGO_1072			5	31.3%	4	21.4%			ciaR; Transcriptional regulatory protein CiaR								
	3	14.7%	7	34.4%													

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1073	6	17.6%			4	9.9%			Sensor protein CiaH								
	6	17.6%	5	15.2%													
SGO_1075			7	22.8%					alpha-amylase precursor								
	4	12.2%	5	15.3%	3	11.2%											
SGO_1077	5	19.6%	3	13.7%	4	14.4%			coaA; pantothenate kinase								
	6	25.2%	5	18.6%	5	14.4%											
SGO_1078			3	35.0%	3	35.0%			methyltransferase domain protein								
			4	42.6%	3	35.0%											
SGO_1079	10	31.3%	9	29.2%	12	39.8%	5	20.0%	pdp; pyrimidine-nucleoside phosphorylase								
	11	28.9%	11	36.5%	10	35.5%	7	25.6%									
SGO_1080	11	68.6%	12	70.9%	12	70.9%	13	72.3%	deoC; deoxyribose-phosphate aldolase								
	12	70.9%	10	61.4%	13	72.3%	12	70.9%									
SGO_1081	3	38.8%			4	58.1%	3	44.2%	cdd; cytidine deaminase								
	5	55.0%			3	44.2%											
SGO_1082	22	66.5%	22	65.9%	19	65.9%	20	65.9%	lipoprotein								
	31	75.0%	20	62.2%	20	63.4%	18	63.4%									
SGO_1083			19	53.8%	28	61.1%	19	43.4%	sugar ABC transporter, ATP-binding protein SP0846								
			20	49.1%	24	58.1%	18	47.6%									
SGO_1088	3	17.9%			7	28.5%	3	23.2%	transcription regulator, LysR family								
	5	24.8%			4	20.9%											
SGO_1090	7	31.1%			9	33.1%			pseudouridine synthase, RluA family								
	8	33.1%	4	20.9%	8	33.4%											
SGO_1091	3	20.5%							hypothetical protein SGO_1091								
	4	29.0%															

- Show detected proteins only
 Show all proteins

Proteins found:
1179

Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1096	10	53.1%	15	64.6%	12	61.4%	12	61.4%	butA; acetoin dehydrogenase								
	10	58.3%	20	82.7%	12	61.4%	11	61.4%									
SGO_1097			3	9.8%					proB; glutamate 5-kinase								
	3	8.7%															
SGO_1098			8	31.4%	6	22.9%	3	13.8%	proA; gamma-glutamyl phosphate reductase								
	4	11.9%	6	21.4%	7	26.4%	3	14.3%									
SGO_1099			4	18.7%					proC; pyrroline-5-carboxylate reductase								
	3	19.0%	5	23.9%													
SGO_1100									phnA; alkylphosphonate utilization operon protein PhnA								
	4	34.8%															
SGO_1103	3	13.4%							carA; carbamoyl-phosphate synthase, small subunit								
	3	14.8%															
SGO_1104	14	20.8%					4	4.2%	carB; carbamoyl-phosphate synthase, large subunit								
	9	11.2%	4	5.9%													
SGO_1107	7	49.1%							PyrR bifunctional protein								
	7	49.1%	3	28.3%	4	33.5%	3	26.6%									
SGO_1109	14	50.3%	9	38.6%	14	48.0%	10	45.1%	pyrB; aspartate carbamoyltransferase								
	15	52.9%	10	38.9%	16	57.8%	8	37.3%									
SGO_1110	15	26.4%							surface antigen SCP-like domain								
	21	35.4%	4	7.9%													
SGO_1111	13	59.1%	4	21.5%	7	40.1%	4	21.9%	fruR; phosphotransferase system repressor								
	14	60.3%	3	18.2%	4	22.7%											
SGO_1112	11	51.8%	5	32.7%	8	37.3%			fruB; 1-phosphofructokinase								
	14	60.4%	4	22.4%	11	59.4%	3	14.9%									

- Show detected proteins only
 Show all proteins

Proteins found:
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Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1113	21	34.8%	9	16.8%	13	27.6%	8	18.7%	fruA; PTS system, fructose specific IIABC components								
	26	41.3%	5	10.7%	14	27.4%	11	24.2%									
SGO_1114	7	42.7%	5	42.7%	7	51.6%	4	31.5%	Protein of unknown function (DUF1149) superfamily								
	6	36.3%	3	29.8%	5	31.5%	3	25.0%									
SGO_1115					3	13.4%			DegV family protein								
	3	12.0%	3	13.4%	3	12.0%											
SGO_1116	6	43.1%	7	39.6%	7	43.5%	6	43.1%	dapB; dihydrodipicolinate reductase								
	6	43.5%	6	37.6%	7	43.5%	6	43.1%									
SGO_1117			7	30.8%	4	9.8%			pcnA; polynucleotide adenylyltransferase								
			4	17.3%	4	15.8%											
SGO_1118			5	12.4%	4	8.9%			ABC transporter, ATP-binding protein SP1553								
	6	12.7%	8	14.8%	5	9.7%											
SGO_1119	4	9.4%							Abi-alpha protein, putative								
	3	5.8%															
SGO_1120	21	50.4%	20	49.0%	21	54.4%	15	46.3%	guaA; GMP synthase								
	25	57.3%	25	64.3%	24	54.1%	17	45.8%									
SGO_1121									transcription regulator, GntR family								
	5	16.8%			3	22.4%											
SGO_1123	11	28.4%	16	47.1%	20	54.4%	13	41.2%	ffh; signal recognition particle protein								
	14	38.7%	14	43.3%	21	54.4%	14	44.7%									
SGO_1124	3	18.0%							cell surface hydrolase								
	4	22.5%															
SGO_1128									bacteriocin-associated integral membrane protein subfamily								
	6	10.3%															

- Show detected proteins only
 Show all proteins

Proteins found:
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Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1129	9	33.1%	6	14.9%	8	35.3%	7	26.4%	lplA; lipoate protein ligase A								
	11	35.6%	4	14.9%	8	33.7%	6	26.4%									
SGO_1130	21	39.7%	4	8.1%	14	28.6%	13	30.0%	dihydrolipoamide dehydrogenase								
	20	42.0%	5	14.8%	17	35.4%	11	24.2%									
SGO_1131	10	34.9%	4	18.4%	8	32.3%	4	19.3%	sucB; dihydrolipoamide S-acetyltransferase								
	16	40.3%			9	35.4%	5	23.9%									
SGO_1132	5	22.4%			6	26.1%	3	17.6%	acetoin dehydrogenase								
	7	28.5%			5	26.1%											
SGO_1133	7	30.1%			6	26.7%	6	29.2%	acoA; acetoin dehydrogenase								
	8	33.2%	5	15.8%	7	30.7%	4	20.5%									
SGO_1134	6	16.5%	7	20.9%	4	14.4%			hypothetical protein SGO_1134								
	6	22.9%	12	37.6%			4	12.4%									
SGO_1139	9	58.9%	10	55.8%	13	73.1%	7	49.2%	GTP-binding protein								
	12	64.5%	8	49.7%	14	78.7%	8	43.7%									
SGO_1140	15	43.8%	15	46.9%	20	67.5%	12	35.9%	clpX; ATP-dependent Clp protease, ATP-binding subunit ClpX								
	20	49.1%	16	46.0%	20	67.2%	14	45.7%									
SGO_1141	5	40.6%	4	36.5%	4	36.5%	3	23.5%	folA; dihydrofolate reductase								
	4	25.9%	7	53.5%	4	36.5%											
SGO_1143	3	16.5%	3	17.2%	4	21.1%	3	16.5%	thyA; thymidylate synthase								
	4	21.1%	4	23.7%	4	19.7%											
SGO_1144	14	45.5%	19	79.6%	19	72.1%	13	58.6%	glcK; glucokinase								
	19	63.9%	19	77.1%	18	69.0%	13	64.3%									
SGO_1145	4	21.7%							cell surface hydrolase								
	4	17.8%															

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

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Summary Table SgFn vs Sg SgPg vs Sg SgPgFn vs Sg SgPg vs SgFn SgPgFn vs SgFn SgPgFn vs SgPg Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1148	46	28.8%	11	9.0%					cshB; surface-associated protein CshB								
	48	29.5%	11	8.8%													
SGO_1149	5	36.0%							Pneumococcal vaccine antigen A-like protein								
	6	42.0%															
SGO_1150			8	32.1%	8	37.0%			hypothetical protein SGO_1150								
	9	37.3%	5	22.8%	9	38.0%	3	12.7%									
SGO_1151	15	45.0%	25	68.6%	19	55.0%	16	49.8%	glyA; serine hydroxymethyltransferase								
	16	46.0%	22	67.4%	22	58.3%	14	44.0%									
SGO_1154	10	36.2%	10	46.2%	11	37.6%	11	38.2%	prfA; peptide chain release factor 1								
	12	44.3%	8	33.1%	13	46.5%	10	38.4%									
SGO_1155	7	41.9%	4	29.8%	5	24.1%			tdk; thymidine kinase								
	8	46.1%	4	28.8%	5	26.2%	4	16.2%									
SGO_1159			3	12.2%	4	21.1%			guaC; guanosine monophosphate reductase								
	3	18.3%	3	12.2%	5	30.9%											
SGO_1163							3	7.8%	Iron permease FTR1 family								
SGO_1166	3	9.1%							voltage-gated chloride channel family protein								
	3	9.9%															
SGO_1167	13	31.7%	8	27.9%	17	48.9%	15	42.4%	nox; NADH oxidase								
	18	39.7%	7	21.6%	16	43.2%	14	39.7%									
SGO_1169	12	53.7%	4	29.9%	12	53.2%	6	35.3%	NADPH-dependent FMN reductase								
	11	48.8%	4	29.9%	11	46.8%	7	40.8%									
SGO_1170	13	42.8%	6	21.5%	15	45.4%	8	30.4%	NADPH-dependent FMN reductase								
	15	43.5%	8	31.4%	13	42.8%	10	35.5%									

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1179

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1171	12	76.9%	4	36.3%	5	46.3%			thioredoxin family protein								
	14	76.9%	4	39.4%	4	35.0%											
SGO_1174	3	7.1%							histidine kinase								
	6	12.0%															
SGO_1176									peptide methionine sulfoxide reductase-like protein								
	3	11.0%															
SGO_1182	3	8.9%							LPXTG cell wall surface protein								
SGO_1184	4	23.2%							GdmH								
	4	19.4%															
SGO_1185	4	21.7%	3	26.1%	5	27.7%	3	15.8%	acetyltransferase, GNAT family								
	4	21.7%			4	21.7%	3	16.3%									
SGO_1186	12	30.5%							ABC transporter, permease/ATP-binding protein								
	14	34.6%															
SGO_1187	13	27.2%							ABC transporter, permease/ATP-binding protein								
	16	34.4%															
SGO_1189	8	45.8%	6	50.3%	4	28.8%	3	22.2%	lipoprotein, putative								
	12	60.8%	3	20.3%	5	30.1%	3	22.2%									
SGO_1191	12	93.4%	13	82.8%	15	89.3%	13	86.9%	rpL; ribosomal protein L7/L12								
	11	82.8%	10	82.8%	13	89.3%	12	82.8%									
SGO_1192	9	53.6%	5	47.0%	12	75.9%	10	68.7%	BL5; 50S ribosomal protein L10								
	11	64.5%	8	60.8%	13	72.9%	10	63.3%									
SGO_1193	9	31.1%	12	51.4%	12	48.2%	4	16.9%	gid; Glucose inhibited division protein A								
	10	38.1%	14	62.4%	14	62.2%	4	15.8%									

- Show detected proteins only
 Show all proteins

Proteins found:
1179

Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

SGO_1196

3

23.3%

3

17.2%

satD; SatD-like protein



SGO_1197

29

49.9%

9

21.2%

14

30.0%

10

21.1%

topA; DNA topoisomerase I

33

52.2%

9

23.4%

18

35.7%

10

19.5%



SGO_1198

14

50.4%

13

51.8%

12

46.1%

DNA processing Smf protein

16

57.5%

10

44.3%

10

45.7%



SGO_1199

3

26.0%

3

26.0%

acetyltransferase, CysE/LacA/LpxA/NodL family

5

34.4%



SGO_1202

6

26.9%

7

33.9%

8

37.1%

GTP-binding protein

9

34.6%

5

19.8%

10

44.5%



SGO_1203

4

36.6%

7

77.7%

6

63.4%

4

51.8%

anaerobic ribonucleotide reductase

6

67.0%

9

79.5%

8

78.6%

4

51.8%



SGO_1205

4

17.0%

7

24.4%

6

24.8%

4

15.8%

dapA; dihydrodipicolinate synthase

5

20.3%

3

13.8%

6

26.7%

4

19.6%



SGO_1206

9

41.3%

9

36.6%

11

48.6%

8

36.9%

asd; aspartate-semialdehyde dehydrogenase

12

49.4%

10

46.4%

10

41.3%

7

29.3%



SGO_1208

3

25.8%

Hypothetical FAD-dependent oxidoreductase, putative

5

36.8%



SGO_1210

6

13.3%

11

25.7%

6

13.3%

3

9.2%

fhs-1; formate--tetrahydrofolate ligase

6

14.4%

9

25.4%

4

8.8%



SGO_1213

7

55.2%

5

49.7%

4

37.7%

coaC; phosphopantothienoylcysteine decarboxylase

9

62.8%

3

25.7%



SGO_1215

30

71.9%

28

74.3%

31

78.0%

26

69.8%

manB; phosphomannomutase

32

75.0%

32

78.3%

35

79.5%

26

66.1%

 Show detected proteins only Show all proteins

Proteins found:

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ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1216	6	62.6%	7	73.9%	7	60.9%	7	68.7%	bta; Possible bacteriocin transport accessory protein								
	5	53.0%	5	53.0%	8	78.3%	7	60.9%									
SGO_1219	9	42.5%	11	52.9%	10	45.5%	8	33.8%	pta; phosphate acetyltransferase								
	11	45.8%	11	50.8%	11	52.9%	7	30.8%									
SGO_1221	12	57.3%	3	14.6%					ppnK; Probable inorganic polyphosphate/ATP-NAD kinase								
	17	70.4%	9	42.3%													
SGO_1222	4	21.3%							GTP pyrophosphokinase-like protein								
	6	33.5%	3	18.6%	4	26.2%											
SGO_1224	17	58.4%	13	51.6%	16	54.0%	11	39.8%	Ribose-phosphate pyrophosphokinase 2								
	17	59.6%	10	41.3%	14	52.2%	14	51.6%									
SGO_1225	6	24.3%	6	27.2%	7	34.1%	4	20.0%	pyridoxal-phosphate dependent aminotransferase								
	6	24.5%	5	21.1%	8	36.8%	7	33.9%									
SGO_1226	6	50.4%	5	45.2%	5	45.2%	4	45.2%	hypothetical protein SGO_1226								
	5	45.2%	4	40.9%	5	45.2%	4	40.9%									
SGO_1228	6	34.4%	5	21.4%	6	27.9%			DNA-binding protein BH0551								
	7	36.3%	5	30.7%	6	35.3%											
SGO_1230	9	46.6%			4	23.9%			srtA; sortase A								
	9	34.7%			3	22.7%											
SGO_1231	28	40.0%	20	37.0%	17	26.9%	11	14.0%	gyrA; DNA gyrase, A subunit								
	34	44.3%	12	19.6%	23	34.0%	10	14.9%									
SGO_1232	12	51.5%	18	59.8%	20	58.5%	14	55.2%	L-lactate dehydrogenase								
	12	49.7%	15	51.5%	18	57.6%	15	55.2%									
SGO_1234	23	56.6%	31	69.3%	28	67.3%	26	63.6%	rpsA; 30S ribosomal protein S1								
	28	57.9%	24	60.3%	26	58.1%	27	62.6%									

Description

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1216	6	62.6%	7	73.9%	7	60.9%	7	68.7%	bta; Possible bacteriocin transport accessory protein								
	5	53.0%	5	53.0%	8	78.3%	7	60.9%									
SGO_1219	9	42.5%	11	52.9%	10	45.5%	8	33.8%	pta; phosphate acetyltransferase								
	11	45.8%	11	50.8%	11	52.9%	7	30.8%									
SGO_1221	12	57.3%	3	14.6%					ppnK; Probable inorganic polyphosphate/ATP-NAD kinase								
	17	70.4%	9	42.3%													
SGO_1222	4	21.3%							GTP pyrophosphokinase-like protein								
	6	33.5%	3	18.6%	4	26.2%											
SGO_1224	17	58.4%	13	51.6%	16	54.0%	11	39.8%	Ribose-phosphate pyrophosphokinase 2								
	17	59.6%	10	41.3%	14	52.2%	14	51.6%									
SGO_1225	6	24.3%	6	27.2%	7	34.1%	4	20.0%	pyridoxal-phosphate dependent aminotransferase								
	6	24.5%	5	21.1%	8	36.8%	7	33.9%									
SGO_1226	6	50.4%	5	45.2%	5	45.2%	4	45.2%	hypothetical protein SGO_1226								
	5	45.2%	4	40.9%	5	45.2%	4	40.9%									
SGO_1228	6	34.4%	5	21.4%	6	27.9%			DNA-binding protein BH0551								
	7	36.3%	5	30.7%	6	35.3%											
SGO_1230	9	46.6%			4	23.9%			srtA; sortase A								
	9	34.7%			3	22.7%											
SGO_1231	28	40.0%	20	37.0%	17	26.9%	11	14.0%	gyrA; DNA gyrase, A subunit								
	34	44.3%	12	19.6%	23	34.0%	10	14.9%									
SGO_1232	12	51.5%	18	59.8%	20	58.5%	14	55.2%	L-lactate dehydrogenase								
	12	49.7%	15	51.5%	18	57.6%	15	55.2%									
SGO_1234	23	56.6%	31	69.3%	28	67.3%	26	63.6%	rpsA; 30S ribosomal protein S1								
	28	57.9%	24	60.3%	26	58.1%	27	62.6%									

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:
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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1237	5	82.9%			6	82.9%	4	44.7%	hypothetical protein SGO_1237								
	6	82.9%			6	82.9%	5	82.9%									
SGO_1238	7	30.3%	11	47.4%	9	37.6%	7	30.0%	ilvE; branched-chain amino acid aminotransferase								
	8	35.3%	10	40.9%	11	47.1%	8	32.9%									
SGO_1239	18	26.6%	3	6.4%	11	19.7%	3	4.5%	parC; DNA topoisomerase IV, A subunit								
	19	29.4%	7	12.7%	9	14.3%	3	5.6%									
SGO_1241	4	18.4%							aminoglycoside adenylyltransferase								
	3	15.9%															
SGO_1242	6	42.2%					3	36.2%	lipoprotein, putative								
	8	49.1%			3	36.2%											
SGO_1244	9	22.3%			5	18.9%			hypothetical protein SGO_1244								
	5	15.5%			5	17.0%											
SGO_1245	12	22.7%			6	12.3%			parE; DNA topoisomerase IV, B subunit								
	12	23.1%			6	12.8%											
SGO_1246	3	13.6%							hypothetical protein SGO_1246								
	3	13.6%															
SGO_1247	36	55.2%	25	40.7%					5'-nucleotidase family protein								
	41	61.8%	21	49.6%													
SGO_1248	5	13.5%	9	32.2%	7	16.6%	4	12.6%	pyrC; dihydroorotase								
	7	18.0%	8	24.6%	7	18.2%	4	13.7%									
SGO_1250	5	38.7%	3	21.7%					ung; uracil-DNA glycosylase								
	5	35.9%	4	33.2%													
SGO_1251	3	16.4%							hypothetical protein SGO_1251								
	3	16.4%															

- Show detected proteins only
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Proteins found:
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ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1252	3	7.0%							integral membrane protein, putative								
	5	42.1%	8	55.0%	9	72.2%	4	38.8%	pyrE; orotate phosphoribosyltransferase								
SGO_1253	7	43.5%	5	43.5%	7	62.2%	4	37.8%		pyrF; orotidine 5'-phosphate decarboxylase							
	6	42.2%							pyrd; dihydroorotate dehydrogenase B								
SGO_1254	7	49.1%			4	33.9%				probable transcriptional regulator (LysR family)							
	4	31.1%							NAD-dependent deacetylase (Regulatory protein SIR2-like protein)								
SGO_1255	4	26.6%			4	30.8%				deoD; purine nucleoside phosphorylase							
	4	15.2%	8	31.1%	6	27.8%			glutamine amidotransferase, class I								
SGO_1257	7	22.5%	6	28.8%	8	30.1%				purine nucleoside phosphorylase I, inosine and guanosine-specific							
	3	16.5%	4	22.2%					deoB; phosphopentomutase								
SGO_1258	5	25.5%	4	27.2%						rpiA; ribose 5-phosphate isomerase							
	10	53.2%	8	52.3%	10	61.6%	7	40.1%	trmE; tRNA modification GTPase TrmE								
SGO_1260	10	51.9%	9	58.2%	9	57.8%	7	40.1%									
	5	27.5%															
SGO_1261	9	45.7%	6	40.1%	6	40.5%	7	43.5%									
	7	43.5%	8	49.8%	6	40.5%	10	48.7%									
SGO_1263	22	65.0%	22	64.5%	23	66.7%	21	65.0%									
	22	65.3%	18	66.7%	23	66.7%	22	66.5%									
SGO_1264	9	59.1%	6	30.2%	6	41.8%	5	28.0%									
	9	59.1%	4	23.6%	9	59.1%	5	28.0%									
SGO_1265	12	33.0%	9	31.9%	8	19.7%	6	12.0%									
	10	26.7%	9	23.6%	11	27.1%	6	10.3%									

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1267	6	48.5%			3	28.1%			thioredoxin family protein								
	7	54.5%															
SGO_1273	15	51.1%	13	47.6%	17	56.8%	17	56.5%	rpoD; RNA polymerase sigma factor								
	15	51.9%	8	34.9%	17	57.6%	13	49.2%									
SGO_1274	4	8.6%			5	12.6%			dnaG; DNA primase								
	7	12.6%			7	17.2%											
SGO_1276	4	36.2%	3	34.5%	5	36.2%	4	36.2%	rpsU; ribosomal protein S21								
	5	37.9%	4	37.9%	5	37.9%	4	36.2%									
SGO_1280	4	20.4%							putative membrane-associated Zn-dependent protease								
	4	17.9%															
SGO_1281	4	44.8%			5	59.2%			penicillinase repressor, putative								
	4	44.8%	3	36.8%	5	59.2%	3	36.8%									
SGO_1283	13	45.2%	8	27.4%	18	59.6%	11	39.5%	oxidoreductase								
	14	44.1%	8	32.2%	16	52.1%	10	35.8%									
SGO_1284	7	33.2%	6	33.9%	9	45.0%	4	17.4%	thioredoxin-disulfide reductase								
	9	45.3%	10	43.5%	7	34.8%	6	28.9%									
SGO_1290	6	17.1%							ABC transporter, permease/ATP-binding protein								
	7	21.6%															
SGO_1291	6	13.8%							ABC transporter, permease/ATP-binding protein SP1358								
	3	5.0%															
SGO_1293	13	31.4%	11	30.3%	16	37.8%	8	20.4%	asnS; asparaginyl-tRNA synthetase								
	15	38.1%	13	36.1%	14	34.4%	9	25.6%									
SGO_1297	9	28.8%	10	42.3%	9	44.6%	8	30.9%	aspC; aspartate aminotransferase								
	8	27.0%	10	42.3%	10	42.1%	8	30.4%									

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SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>		Description	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1298	5	28.4%							hypothetical protein SGO_1298								
	4	25.9%															
SGO_1305	15	42.7%			12	38.2%	6	22.7%	substrate-binding protein MsmE								
	18	45.2%			12	35.0%	4	14.5%									
SGO_1312	6	19.1%	14	49.5%	17	60.5%	13	46.6%	pepT; peptidase T								
	8	26.2%	15	56.6%	16	56.6%	12	40.4%									
SGO_1314									metal binding lipoprotein								
	5	21.9%															
SGO_1315			5	36.6%	3	20.2%			trmD; tRNA (guanine-N1)-methyltransferase								
	4	26.7%			4	23.5%											
SGO_1316	6	37.2%	3	26.2%	5	34.9%			16S rRNA processing protein RimM								
	6	38.4%	3	18.6%	4	33.1%											
SGO_1323	3	43.3%	4	50.0%	3	43.3%	3	43.3%	rpsP; ribosomal protein S16								
	3	43.3%	3	43.3%	3	43.3%	3	43.3%									
SGO_1324	5	30.6%							hypothetical protein SGO_1324								
	6	30.6%															
SGO_1327	7	35.5%	6	24.2%	8	38.7%	3	15.6%	HAD-superfamily subfamily IIA hydrolase, TIGR01457								
	10	43.4%	4	18.0%	8	38.7%	5	21.1%									
SGO_1328									hypothetical protein SGO_1328								
	3	11.8%															
SGO_1330	3	9.1%							transporter								
	7	16.5%															
SGO_1331									HlyB/MsbA family ABC transporter								
	5	13.1%															

- Show detected proteins only
 Show all proteins

Proteins found:
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ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1336	12	23.9%	7	14.0%	16	33.5%	5	7.1%	pcrA; ATP-dependent DNA helicase PcrA								
	15	28.0%	8	16.3%	14	27.8%	6	9.7%									
SGO_1337	3	9.1%							cation efflux family protein								
SGO_1338	8	42.2%	4	30.8%					Signal peptidase I								
	11	60.5%	4	30.8%	3	15.7%											
SGO_1339	25	56.1%	35	79.2%	29	72.5%	27	69.1%	pyk; pyruvate kinase								
	32	69.5%	36	81.0%	34	78.6%	28	74.7%									
SGO_1340	14	43.8%	20	52.7%	20	61.3%	15	42.9%	Phosphofructokinase								
	20	60.4%	19	50.3%	20	60.1%	15	42.9%									
SGO_1341	10	14.4%	4	5.8%	4	5.7%			dnaE; DNA-directed DNA polymerase III alpha chain								
	8	12.2%	7	10.0%													
SGO_1342	18	68.4%	18	67.5%	18	65.4%	16	65.0%	ABC transporter, ATP-binding protein SP1715								
	18	68.4%	19	74.8%	17	65.4%	16	65.0%									
SGO_1343	5	15.4%			3	10.5%			ABC transporter, ATP-binding protein SP1715								
	5	15.4%															
SGO_1347	10	37.4%	3	13.5%					membrane associated lipoprotein								
	13	45.6%															
SGO_1355	4	27.9%							lipoprotein, putative								
	4	22.1%	3	16.2%													
SGO_1360	3	9.0%							ABC transporter domain protein								
	6	14.6%															
SGO_1361	3	21.1%	3	23.2%					ADP-ribosylhydrolase								

- Show detected proteins only
 Show all proteins

Proteins found:
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ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1364	13	33.3%	4	16.4%	13	42.1%			rumA-2; 23S rRNA (uracil-5-)-methyltransferase RumA								
	17	44.5%	7	27.0%	13	43.6%	4	12.3%									
SGO_1365	14	40.2%	5	13.8%	5	19.4%			transcription regulator yrfE								
	18	45.6%	6	14.0%	3	8.4%	3	13.5%									
SGO_1366					6	34.5%			pheA; prephenate dehydratase								
					4	21.5%											
SGO_1367	5	42.2%	6	39.1%	3	21.1%			aroK; shikimate kinase								
	6	40.4%	6	42.2%	3	18.0%											
SGO_1368	3	8.7%	8	30.9%	5	20.4%			aroA; 3-phosphoshikimate 1-carboxyvinyltransferase								
	6	20.4%	8	32.1%	5	24.1%											
SGO_1369	6	28.3%	9	40.8%	5	25.3%	3	15.5%	L-2-hydroxyisocaproate dehydrogenase								
	8	32.2%	9	43.4%	6	35.9%											
SGO_1370	6	73.2%	6	73.2%	6	73.2%	3	33.9%	Protein of unknown function (DUF964) superfamily								
	6	73.2%	5	56.3%	4	51.8%	4	51.8%									
SGO_1372	3	10.1%			6	30.4%			aroC; chorismate synthase								
	8	33.8%	3	15.2%	11	41.8%	3	12.6%									
SGO_1373	3	15.8%			5	26.8%	3	17.2%	aroB; 3-dehydroquinate synthase								
	6	25.9%	3	16.9%	5	26.8%											
SGO_1374	3	13.0%			6	28.4%			aroE; shikimate 5-dehydrogenase								
	4	16.8%			3	16.8%											
SGO_1375	7	41.3%	4	26.2%	6	37.8%	4	23.1%	aroD; 3-dehydroquinate dehydratase, type I								
	8	50.7%	3	17.8%	6	38.2%											
SGO_1376	5	17.6%							Methyltransferase								
	5	18.3%															

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>		Description	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1377	22	43.8%	11	24.7%	11	23.6%	4	6.7%	sulfatase								
	27	49.0%	14	31.8%	13	26.2%	4	8.8%									
SGO_1381	18	20.0%	12	13.9%	9	11.6%	3	3.1%	csn1; CRISPR-associated protein, Csn1 family								
	28	27.6%	13	13.4%	12	14.8%	4	4.4%									
SGO_1383	9	53.0%	8	47.0%	6	46.1%	6	40.0%	rplS; ribosomal protein L19								
	10	60.9%	10	57.4%	6	40.0%	9	53.0%									
SGO_1386			8	72.7%	5	62.5%			chorismate mutase								
	3	30.7%	7	68.2%	3	48.9%											
SGO_1388	9	16.9%	3	6.4%					pulA-1; pullulanase, type I								
	14	27.1%	6	13.1%													
SGO_1389	6	21.4%	3	11.9%					conserved hypothetical protein TIGR00147								
	6	20.1%	4	14.2%													
SGO_1390	13	26.8%	8	16.0%	7	15.5%	6	12.7%	ligA; DNA ligase, NAD-dependent								
	13	29.9%	10	23.6%	7	15.3%	6	12.7%									
SGO_1394			6	46.8%	3	14.5%			hypothetical protein SGO_1394								
					3	16.2%											
SGO_1397	8	42.8%	9	41.8%	8	45.6%	6	30.2%	map; methionine aminopeptidase, type I								
	9	48.1%	8	39.6%	8	44.2%	5	26.3%									
SGO_1398	15	47.8%	3	8.9%	5	14.1%			hypothetical protein SGO_1398								
	14	38.4%	3	8.5%	4	10.8%											
SGO_1400	6	22.9%	7	20.7%	9	29.0%	6	22.6%	murA-2; UDP-N-acetylglucosamine 1-carboxyvinyltransferase								
	11	37.6%	6	24.8%	7	23.8%	3	14.8%									
SGO_1405					3	13.8%			hisA; phosphoribosylformimino-5-aminoimidazole carboxamide ribotide isomerase								

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1413	8	8.7%	6	7.4%	8	8.6%			first chain of major exonuclease RexA								
	16	18.0%	12	15.9%	7	7.7%											
SGO_1414	8	11.5%	6	8.3%	4	5.6%	3	4.8%	rexB; putative exonuclease RexB								
	10	14.7%	8	12.2%	6	9.0%	4	5.9%									
SGO_1415	4	5.7%							LPXTG cell wall surface protein, X-prolyl dipeptidylaminopeptidase, putative								
	5	6.3%															
SGO_1416									putative histidine kinase								
	5	14.8%															
SGO_1417					4	27.1%			response regulator protein								
SGO_1422	9	28.9%	10	39.0%	9	34.2%	6	20.8%	hypothetical protein SGO_1422								
	10	29.8%	10	31.3%	8	25.9%	6	20.8%									
SGO_1426	31	75.1%	32	77.9%	32	77.2%	27	75.1%	eno; enolase								
	31	77.0%	33	85.7%	30	77.2%	31	77.2%									
SGO_1431	31	53.5%	21	43.6%	25	47.7%	18	39.0%	EzrA; Septation ring formation regulator ezrA								
	28	50.3%	20	41.3%	27	49.0%	20	40.1%									
SGO_1432	18	33.4%	12	26.5%	16	33.3%	6	10.9%	gyrB; DNA gyrase, B subunit								
	20	38.7%	14	34.1%	19	37.9%	6	9.4%									
SGO_1434			4	29.1%	4	40.1%	3	22.0%	thiJ; 4-methyl-5(beta-hydroxyethyl)-thiazole monophosphate synthesis protein								
	4	32.4%	3	28.0%	3	25.8%											
SGO_1437	6	9.2%							DnaQ family exonuclease/DinG family helicase, putative								
	7	11.0%															
SGO_1439	8	23.4%	5	19.5%	5	17.5%	3	17.2%	ftsX; cell division protein FtsX								
	10	25.6%	5	21.4%	4	17.2%	3	17.2%									

- Show detected proteins only
- Show all proteins

Proteins found:
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Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1440	14	69.6%	15	69.1%	10	59.1%	7	43.5%	cell-division ATP-binding protein FtsE								
	18	74.3%	13	67.4%	10	55.2%	6	45.7%									
SGO_1441	8	29.9%	8	30.2%	9	30.2%	5	20.3%	prfB; peptide chain release factor 2								
	6	22.8%	7	27.5%	11	35.2%	3	11.8%									
SGO_1446	12	36.0%	9	27.6%	12	37.3%	4	11.2%	murF; UDP-N-acetylmuramoyl-tripeptide--D-alanyl-D-alanine ligase								
	14	39.7%	8	25.2%	12	34.2%	3	11.4%									
SGO_1447	13	45.1%	8	32.2%	14	52.0%	6	26.1%	ddlA; D-Ala-D-Ala ligase								
	15	53.2%	8	28.7%	14	50.6%	5	23.3%									
SGO_1449	24	47.7%			9	21.9%			pbp2b; penicillin-binding protein 2B								
	26	50.6%			11	26.3%											
SGO_1450	6	27.1%	4	19.0%	6	28.2%	3	14.8%	hypothetical protein SGO_1450								
	7	30.6%	5	23.6%	5	22.2%	6	28.2%									
SGO_1451	6	43.8%	4	33.5%	6	42.7%	6	40.0%	frr; ribosome recycling factor								
	7	44.3%	4	33.5%	7	43.8%	6	39.5%									
SGO_1452	10	46.9%	6	38.6%	7	45.6%	9	54.4%	pyrH; uridylate kinase								
	9	45.2%	4	27.4%	7	45.6%	6	34.0%									
SGO_1453					4	11.7%	3	6.4%	glycosyl transferase, family 8 SP1766								
			3	8.7%			3	8.3%									
SGO_1454	3	6.6%							amino acid permease family protein								
	3	6.6%															
SGO_1455	8	39.3%	10	59.4%	9	45.0%	9	49.3%	rplA; ribosomal protein L1								
	12	50.7%	10	55.9%	9	49.3%	9	45.0%									
SGO_1456	4	30.5%	4	35.5%	4	30.5%	6	44.7%	rplK; ribosomal protein L11								
	5	37.6%	5	51.8%	4	30.5%	6	42.6%									

 Show detected proteins only Show all proteins

Proteins found:

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 Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1458	19	33.8%	11	20.8%	5	8.2%	4	7.7%	aha1; cation-transporting ATPase yfgQ								
	21	38.2%	8	15.1%	4	9.0%											
SGO_1459			6	67.2%	3	35.2%			glyoxylase family protein								
			5	65.6%													
SGO_1460	17	32.5%	4	8.7%	11	23.0%	4	6.4%	DNA translocase ftsK								
	19	34.3%	4	8.5%	7	12.3%											
SGO_1463	14	61.4%	5	27.0%	11	52.1%	5	27.0%	peptidyl-prolyl cis-trans isomerase								
	15	61.4%	4	17.6%	7	40.1%	6	28.5%									
SGO_1464	10	94.9%			8	85.9%	5	84.6%	uncharacterized probable metal-binding protein								
	11	100.0%			7	85.9%	4	50.0%									
SGO_1465	17	43.9%	8	25.5%	13	34.3%	8	26.7%	ABC transporter, ATP-binding protein SP0770								
	20	50.5%	6	19.1%	10	31.4%	6	21.4%									
SGO_1466	7	40.0%	6	33.0%	7	42.2%			MTA/SAH nucleosidase								
	4	19.6%	6	27.0%	6	37.0%											
SGO_1468	3	20.2%							MutT/nudix family protein								
SGO_1469	12	35.9%	10	31.2%	13	48.4%	13	44.0%	glmU; UDP-N-acetylglucosamine pyrophosphorylase								
	13	43.1%	7	23.7%	14	45.8%	13	38.6%									
SGO_1472			5	24.7%	5	32.0%			acetyltransferase, GNAT family								
	3	20.6%	3	15.0%	5	30.4%	3	24.7%									
SGO_1475	7	22.1%							lipoprotein, putative								
	9	32.7%															
SGO_1483	4	9.8%							ABC transporter, permease protein, probable SP0913								

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

1179

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Summary Table SgFn vs Sg SgPg vs Sg SgPgFn vs Sg SgPg vs SgFn SgPgFn vs SgFn SgPgFn vs SgPg Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1484					3	20.8%			ABC transporter, ATP-binding protein								
					3	20.8%											
SGO_1486			8	5.9%			4	3.2%	beta-galactosidase								
	5	3.1%					5	3.9%									
SGO_1487	12	9.4%	11	10.5%					LPXTG cell wall surface protein, Cna protein B-type domain								
	18	12.8%	7	5.0%	4	4.0%											
SGO_1493	10	25.3%	4	12.7%					hypothetical protein SGO_1493								
	14	38.9%	6	19.9%	4	16.1%											
SGO_1495	3	34.6%							putative transcriptional regulator								
	6	53.4%															
SGO_1498	3	5.7%							ABC transporter, permease protein, probable SP0913								
SGO_1504	3	13.8%							histidine kinase								
	5	20.9%															
SGO_1507	7	23.6%							hypothetical protein SGO_1507								
	11	30.5%															
SGO_1512	3	9.2%	4	18.2%	5	13.7%			lacG; 6-phospho-beta-galactosidase								
			5	18.4%													
SGO_1513	3	5.5%							lacE; PTS system, lactose-specific IIBC component								
SGO_1516	8	37.1%			9	44.2%	4	22.4%	lacD-2; tagatose 1,6-diphosphate aldolase								
	9	31.3%			13	53.4%	6	31.3%									
SGO_1518	4	28.1%			6	46.2%			lacB-2; galactose-6-phosphate isomerase, LacB subunit								
	6	33.9%			6	46.2%											

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1179

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Summary Table SgFn vs Sg SgPg vs Sg SgPgFn vs Sg SgPg vs SgFn SgPgFn vs SgFn SgPgFn vs SgPg Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1520	4	10.4%							PTS system, IIC component								
SGO_1521	4	47.5%							PTS system IIB component (galactitol/fructose specific)								
SGO_1523									lacD-1; tagatose 1,6-diphosphate aldolase								
SGO_1527	3	17.9%							Lactose phosphotransferase system repressor								
SGO_1529	6	32.3%	6	27.4%	5	27.7%			hypothetical protein SGO_1529								
	10	46.7%	6	34.7%	3	18.2%											
SGO_1530	23	46.4%	22	47.0%	26	52.9%	17	36.6%	methionine-tRNA ligase								
	27	53.5%	16	33.3%	24	50.2%	15	35.0%									
SGO_1531	11	54.9%	6	29.1%	10	60.0%	6	34.9%	xth; exodeoxyribonuclease III								
	11	59.6%	5	26.5%	8	49.5%	5	33.1%									
SGO_1534	5	35.9%	4	46.2%	8	68.4%			ArsC family								
	6	49.6%	5	57.3%	6	62.4%	4	34.2%									
SGO_1536	10	40.5%	4	19.4%	9	43.0%	4	17.3%	conserved hypothetical protein TIGR00096								
	11	45.8%	5	26.1%	10	42.3%	4	18.7%									
SGO_1538	4	20.4%							DNA-directed DNA polymerase III, delta" chain								
	3	16.7%															
SGO_1539	7	42.0%	7	36.3%	8	48.1%	4	22.2%	tmk; thymidylate kinase								
	7	41.5%	5	29.7%	9	48.6%	6	42.0%									
SGO_1540	3	12.2%							YitT family protein								
	6	19.2%			4	23.0%											

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1179

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1541	4	33.3%	8	40.6%	5	32.6%	3	27.5%	atpC; ATP synthase F1, epsilon subunit								
	5	33.3%	6	31.2%	4	32.6%	6	39.9%									
SGO_1542	25	73.3%	30	75.9%	24	64.1%	19	58.5%	atpD; ATP synthase F1, beta subunit								
	30	75.4%	29	72.6%	22	62.2%	20	58.8%									
SGO_1543	15	55.6%	12	55.6%	10	36.9%	4	21.2%	atpG; ATP synthase F1, gamma subunit								
	16	50.2%	10	44.4%	11	47.1%	4	19.8%									
SGO_1544	17	41.9%	15	43.7%	17	45.1%	9	26.1%	atpA; ATP synthase F1, alpha subunit								
	16	41.9%	17	48.3%	17	45.1%	9	22.8%									
SGO_1545	5	42.1%	6	39.9%	4	28.7%	4	33.7%	atpH; ATP synthase F1, delta subunit								
	6	46.6%	8	58.4%	4	33.7%	4	33.7%									
SGO_1546	14	56.1%	15	61.6%	10	49.4%	10	47.0%	atpF; ATP synthase F0, B subunit								
	15	61.6%	8	39.0%	11	49.4%	9	48.8%									
SGO_1550	22	38.1%	19	30.2%	25	45.0%	13	22.4%	glgP-1; glycogen phosphorylase								
	27	44.4%	26	42.7%	27	44.2%	20	32.7%									
SGO_1551	5	17.4%	14	38.0%	9	25.0%	3	9.0%	glgA; Glycogen synthase								
	14	36.8%	15	42.6%	6	16.8%	5	14.7%									
SGO_1552	8	28.6%	13	47.7%	12	41.7%	8	26.6%	glgD; glucose-1-phosphate adenylyltransferase, GlgD subunit								
	9	26.9%	11	42.0%	12	43.7%	8	33.4%									
SGO_1553	7	23.9%	14	46.1%	14	45.5%	7	27.6%	glgC; glucose-1-phosphate adenylyltransferase								
	10	33.9%	18	53.4%	15	50.5%	7	27.1%									
SGO_1554	13	30.8%	24	47.4%	16	33.6%	12	28.9%	glgB; 1,4-alpha-glucan branching enzyme								
	15	34.6%	22	48.0%	20	38.5%	8	21.5%									
SGO_1555	25	62.2%	28	68.3%	28	66.6%	24	55.3%	ptsI; phosphoenolpyruvate-protein phosphotransferase								
	31	69.8%	31	74.5%	26	65.3%	21	54.4%									

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

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Dot Plots Dot Plots

Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1556	3	39.1%	5	41.4%	3	39.1%	3	39.1%	phosphocarrier protein HPr								
	5	41.4%	4	39.1%	3	39.1%	3	39.1%									
SGO_1557	3	68.1%							NrdH-redoxin								
	3	68.1%															
SGO_1558	27	48.0%	31	53.8%	25	47.3%	19	38.8%	nrdE; ribonucleoside-diphosphate reductase large chain								
	32	49.4%	23	40.3%	30	52.0%	16	30.7%									
SGO_1559	12	40.4%	11	46.4%	13	46.4%	9	33.9%	ribonucleoside-diphosphate reductase, beta subunit								
	13	41.1%	10	38.9%	13	46.4%	9	28.2%									
SGO_1561	3	13.6%							putative zinc metallopeptidase								
	3	13.6%															
SGO_1562	4	10.6%							hypothetical protein SGO_1562								
	3	10.6%															
SGO_1564	3	53.7%			3	53.7%			transcription regulator, probable -related protein								
	3	53.7%			3	53.7%											
SGO_1570	33	43.5%	29	42.4%	37	47.0%	23	35.4%	alaS; alanyl-tRNA synthetase								
	41	50.2%	24	38.6%	34	42.4%	29	37.4%									
SGO_1571	6	43.5%							Protein of unknown function (DUF567) superfamily								
	7	44.7%															
SGO_1572	26	69.3%	8	32.0%					proteinase maturation protein, putative								
	26	70.9%	5	20.7%			4	17.8%									
SGO_1573			3	23.2%	3	29.4%			O-methyltransferase family protein								
	4	17.5%			5	39.5%											
SGO_1574	17	35.5%	22	44.2%	21	49.8%	15	29.8%	pepF-1; oligoendopeptidase F								
	18	37.0%	21	44.7%	24	52.7%	15	30.8%									

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

1179

Dot Plots Dot Plots

Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1576	3	8.9%							ptcC; PTS system, IIC component								
	3	8.2%															
SGO_1580			3	45.2%	4	49.0%	4	49.0%	PTS system, Lactose/Cellobiose specific IIB subunit								
			3	49.0%	4	49.0%	3	49.0%									
SGO_1585	14	40.4%			3	13.3%			D-Alanyl-D-Alanine carboxypeptidase								
	13	37.8%			5	19.6%	3	6.7%									
SGO_1587	5	26.9%	4	23.4%	4	24.3%	4	24.3%	queA; S-adenosylmethionine:tRNA ribosyltransferase-isomerase								
	9	42.1%	8	33.0%	4	24.3%	3	19.0%									
SGO_1588	4	48.1%							arcR; arginine repressor								
	5	48.1%															
SGO_1589	5	13.5%	11	29.3%					arcT; putative transaminase/peptidase								
	7	19.8%	10	30.0%													
SGO_1590	5	9.9%	4	9.1%					arcD; arginine-ornithine antiporter								
	6	11.7%	3	9.1%													
SGO_1591	10	43.5%	17	70.8%	9	39.0%	5	27.6%	arcC; carbamate kinase								
	13	54.3%	17	65.4%	7	27.6%	6	32.4%									
SGO_1592	15	53.8%	25	64.8%	12	49.4%	10	42.3%	arcB; ornithine carbamoyltransferase								
	15	52.7%	26	73.1%	12	46.7%	11	45.3%									
SGO_1593	28	72.6%	42	88.3%	20	62.3%	18	60.4%	arcA; arginine deiminase								
	30	76.5%	38	84.8%	24	66.7%	17	53.3%									
SGO_1594	5	22.8%							Crp/Fnr family protein								
	6	26.3%															
SGO_1598	3	11.8%							hypothetical protein SGO_1598								
	5	17.4%															

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Proteins found:

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1599	10	56.2%	15	57.2%	10	52.2%	10	56.2%	sodA; manganese-dependent superoxide dismutase								
	9	52.2%	13	57.2%	10	52.2%	11	56.2%									
SGO_1600	6	25.8%							DNA polymerase III, delta chain								
	7	27.8%															
SGO_1601	3	4.0%							celB; DNA internalization-related competence protein celB								
	4	5.6%															
SGO_1604	12	48.3%	6	30.5%	6	28.4%			acyltransferase family protein								
	15	55.9%	5	32.6%	5	23.7%	3	18.6%									
SGO_1605	16	29.3%	3	6.5%	5	11.0%			P-type ATPase, metal cation transport								
	20	31.3%	3	8.0%	5	11.9%	3	6.1%									
SGO_1606	4	25.0%			4	25.0%			DNA methyltransferase signature protein								
	4	25.0%			3	19.2%											
SGO_1609	18	45.9%	7	17.2%	14	38.4%	12	35.2%	ATP-dependent RNA helicase, DEAD/DEAH box family								
	22	51.2%	6	17.0%	15	42.8%	13	35.0%									
SGO_1614	9	32.5%							magnesium and cobalt transporter CorA family								
	8	25.2%															
SGO_1617	12	37.0%	8	20.6%	10	23.9%	9	24.1%	prfC; peptide chain release factor 3								
	19	48.2%	10	20.4%	16	38.1%	9	25.9%									
SGO_1619	26	34.0%	10	17.4%	21	32.7%	12	19.7%	cation-transporting ATPase, E1-E2 family								
	26	34.0%	15	26.8%	20	35.2%	11	18.3%									
SGO_1621	8	25.2%	6	21.7%	5	16.9%	3	10.4%	HD domain protein								
	9	26.3%	9	31.2%	7	25.2%											
SGO_1622	9	40.5%	6	30.5%	6	29.0%	6	29.0%	Cof family protein								
	10	43.1%	4	21.2%	6	29.7%	4	20.1%									

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1623	10	31.5%	8	23.2%	11	37.2%	5	20.5%	murM; MurM								
	15	48.7%	8	24.9%	11	39.1%											
SGO_1624	8	25.1%	7	17.8%	5	15.6%			murN; MurN protein								
	10	25.1%	7	24.1%	5	13.1%	5	14.8%									
SGO_1625	15	77.1%	11	61.9%	13	64.2%	9	57.8%	acetoin utilization putative/CBS domain protein								
	16	77.5%	10	55.5%	12	59.6%	6	39.4%									
SGO_1626	9	50.8%			8	45.3%	4	23.7%	branched-chain amino acid ABC transporter, ATP-binding protein								
	9	46.6%	5	32.2%	8	42.8%	6	35.2%									
SGO_1627	7	41.7%			6	37.0%	5	33.1%	branched-chain amino acid ABC transporter, ATP-binding protein								
	10	46.9%			5	27.6%	5	33.1%									
SGO_1630	25	62.9%	15	50.0%	20	61.1%	17	52.3%	branched-chain amino acid ABC transporter, amino acid-binding protein								
	30	70.4%	14	45.6%	20	59.3%	16	47.9%									
SGO_1631	3	28.1%							hypothetical protein SGO_1631								
	3	29.2%															
SGO_1632	4	15.8%	5	39.8%	5	37.8%	6	36.7%	clpP; ATP-dependent Clp protease, proteolytic subunit ClpP								
	5	21.4%	5	39.8%	5	37.8%	4	15.8%									
SGO_1633	9	58.9%	14	67.5%	14	67.5%	12	66.5%	upp; uracil phosphoribosyltransferase								
	12	59.8%	14	72.2%	13	67.5%	10	54.1%									
SGO_1634	34	42.7%	5	9.5%	8	13.9%			magnesium-translocating P-type ATPase								
	35	44.0%	5	6.5%	6	8.7%											
SGO_1638	6	15.4%	9	22.2%	8	25.6%			murE; UDP-N-acetylmuramoylalanyl-D-glutamate-2,6-diaminopimelate ligase								
	6	15.6%	10	31.4%	6	16.8%											
SGO_1648	10	43.4%	12	59.5%	12	58.8%	10	43.1%	ppx1; inorganic pyrophosphatase, manganese-dependent								
	12	46.6%	11	53.4%	12	58.8%	8	36.0%									

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Proteins found:

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1649	9	45.7%	6	33.1%	3	14.1%	3	14.1%	act; pyruvate formate-lyase-activating enzyme								
	12	58.0%	10	48.0%	5	23.4%											
SGO_1650	14	22.5%							LPXTG cell wall surface protein, collagen binding domain								
	16	24.8%															
SGO_1651	28	45.6%	20	32.7%					LPXTG cell wall surface protein, nuclease/phosphatase domain								
	31	46.6%	18	34.1%													
SGO_1652	13	31.2%	5	13.9%	12	31.1%	7	18.3%	intracellular glycosyl hydrolase								
	12	28.7%	4	10.9%	10	29.4%	7	19.2%									
SGO_1653	20	32.4%	9	18.5%	12	25.9%	5	10.9%	trehalose PTS enzyme II								
	25	35.0%	5	9.6%	12	24.5%	7	14.1%									
SGO_1655	10	27.1%	5	16.1%	4	12.1%			CBS domain protein/possible hemolysin								
	15	33.0%	6	20.2%	4	13.0%											
SGO_1657	4	5.3%							membrane protein								
	6	8.0%															
SGO_1661	3	11.2%							radical SAM protein, TIGR01212 family								
	6	31.7%	6	26.9%													
SGO_1665									rRNA methylase								
	4	35.7%															
SGO_1666	16	39.5%	14	34.8%	13	35.8%	6	19.6%	trkA; potassium uptake protein, Trk family								
	20	47.0%	14	38.3%	13	36.9%	4	14.3%									
SGO_1669	12	45.0%	11	55.8%	11	40.5%	10	47.1%	ribosomal large subunit pseudouridine synthase B								
	17	57.4%	8	36.4%	13	45.9%	8	33.9%									
SGO_1670	4	30.9%							scpB; segregation and condensation protein B								

- Show detected proteins only
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Proteins found:
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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1674	5	32.4%	4	29.5%	5	27.7%			phosphodiesterase, MJ0936 family								
	5	32.4%	5	37.0%	3	22.5%											
SGO_1675	7	26.2%	6	20.9%	9	40.3%	3	12.6%	HAM1 protein-like protein								
	11	37.5%	8	31.7%	7	35.4%	4	16.9%									
SGO_1676	4	22.3%	4	23.5%	9	45.5%	4	23.1%	murI; glutamate racemase								
	4	25.4%	4	21.6%	11	59.8%	6	29.9%									
SGO_1678	4	13.9%	6	24.0%	6	23.8%	3	13.0%	lysA; diaminopimelate decarboxylase								
	5	19.2%	6	22.4%	3	13.0%											
SGO_1679	19	60.8%	15	64.7%	17	60.8%	16	61.4%	phosphotransferase system enzyme II								
	23	68.1%	19	68.4%	16	59.9%	15	59.6%									
SGO_1680	4	18.7%			4	18.7%	4	18.7%	phosphotransferase system enzyme II								
	4	18.7%			4	18.7%											
SGO_1681	13	44.2%	10	41.9%	10	41.9%	9	38.6%	PTS system, mannose/fructose/sorbose family, IID component								
	15	44.2%	7	35.6%	10	41.9%	9	38.6%									
SGO_1683	19	55.1%	17	60.2%	18	61.9%	11	40.0%	serS; seryl-tRNA synthetase								
	19	56.5%	13	50.6%	19	63.3%	13	43.5%									
SGO_1684	7	26.3%			12	46.6%	7	28.0%	acyl-CoA dehydrogenase family								
	6	24.3%			12	43.8%	9	36.7%									
SGO_1685	4	33.0%	5	34.1%	5	37.4%	4	26.4%	putative peroxidase / antioxidant								
	4	26.9%	4	33.0%	5	37.4%	3	25.3%									
SGO_1687	10	48.0%	11	48.4%	10	48.0%	7	35.9%	accA; acetyl-CoA carboxylase, carboxyl transferase, alpha subunit								
	8	36.3%	8	35.2%	10	44.5%	9	39.1%									
SGO_1688	7	25.4%	8	36.2%	10	43.6%	5	22.3%	accD; acetyl-CoA carboxylase, carboxyl transferase, beta subunit								
	13	41.1%	9	35.2%	11	45.3%	4	17.1%									

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1689	14	48.1%	13	48.4%	13	44.9%	9	29.0%	accC; acetyl-CoA carboxylase, biotin carboxylase								
	14	45.8%	14	52.3%	15	51.0%	9	32.2%									
SGO_1690			3	27.1%	6	40.0%	4	34.3%	fabZ; beta-hydroxyacyl-(acyl-carrier-protein) dehydratase FabZ								
			5	40.7%	7	46.4%											
SGO_1691	4	25.3%	8	42.0%	7	39.5%	6	27.8%	accB; acetyl-CoA carboxylase, biotin carboxyl carrier protein								
	5	28.4%	9	47.5%	8	46.3%	6	39.5%									
SGO_1692	15	65.4%	25	74.1%	22	78.8%	17	63.7%	3-oxoacyl-[acyl-carrier-protein] synthase								
	17	62.0%	27	77.3%	21	71.2%	16	61.2%									
SGO_1693	7	39.3%	11	55.7%	15	73.0%	9	50.0%	fabG; 3-oxoacyl-(acyl-carrier-protein) reductase								
	11	47.5%	12	59.4%	13	63.5%	4	20.9%									
SGO_1694	10	45.4%	9	43.5%	11	58.5%	10	43.8%	fabD; malonyl CoA-acyl carrier protein transacylase								
	13	55.9%	9	42.2%	13	60.8%	8	38.2%									
SGO_1695	12	52.2%	15	57.1%	17	60.8%	13	54.9%	enoyl-acyl carrier protein(ACP) reductase								
	13	52.8%	12	52.2%	13	50.0%	10	45.4%									
SGO_1698	4	22.8%			6	27.2%			3-oxoacyl-[acyl-carrier-protein] synthase III								
	7	32.1%			4	22.5%											
SGO_1699	4	48.3%	3	40.8%	4	47.5%			transcriptional regulator, MarR family								
	5	48.3%	4	50.8%	4	48.3%	3	40.8%									
SGO_1700	7	33.8%	9	45.6%	7	30.4%	4	18.6%	enoyl-CoA hydratase/isomerase family protein								
	6	25.5%	9	47.9%	6	30.4%											
SGO_1701	11	28.7%	12	40.8%	17	52.4%	11	31.6%	aspartate kinase								
	14	37.3%	16	45.6%	19	55.9%	10	27.4%									
SGO_1708	16	62.9%	11	42.7%	14	65.5%	9	43.6%	amiF; Oligopeptide transport ATP-binding protein amiF								
	20	74.6%	10	51.1%	13	65.1%	9	49.5%									

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg		SgFn		SgPg		SgPgFn	
n	Coverage	n	Coverage	n	Coverage	n	Coverage

Description

Sg		SgFn		SgPg		SgPgFn	
Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1709	16	49.6%	9	34.1%	11	40.0%	12	42.5%	amiE; Oligopeptide transport ATP-binding protein								
	17	51.8%	10	33.2%	11	40.0%	12	44.5%									
SGO_1710	6	16.2%			5	15.6%	4	13.0%	amiD; Oligopeptide transport system permease protein								
	9	24.7%			4	15.3%	4	17.9%									
SGO_1711	19	31.1%	7	14.9%	11	23.1%	10	20.1%	hppB; Oligopeptide transport system permease								
	22	38.0%	7	15.1%	14	30.1%	12	25.5%									
SGO_1712	36	53.2%	27	45.9%	31	51.3%	31	53.5%	hppA; oligopeptide-binding lipoprotein								
	42	57.0%	21	45.6%	31	50.1%	27	49.2%									
SGO_1713	35	57.1%	29	54.2%	33	58.0%	28	54.4%	hppG; oligopeptide-binding lipoprotein								
	38	58.5%	22	47.6%	30	52.6%	20	43.6%									
SGO_1715	32	61.7%	23	49.5%	31	62.4%	21	42.9%	hppH; oligopeptide-binding lipoprotein								
	35	64.1%	23	48.5%	29	57.5%	23	47.9%									
SGO_1716	40	68.0%	24	47.2%	26	50.7%	21	46.1%	oligopeptide binding protein								
	38	66.9%	18	38.6%	29	58.3%	17	37.8%									
SGO_1717	16	58.5%	4	16.3%	4	13.3%			pbp3; penicillin-binding protein 3								
	16	59.5%	4	13.6%													
SGO_1718	16	36.4%	10	30.2%	16	51.5%	9	23.6%	sufB-1; FeS assembly protein SufB								
	20	50.9%	14	36.8%	13	39.1%	11	26.4%									
SGO_1719	4	33.8%							SUF system FeS assembly protein, NifU family								
	3	33.8%															
SGO_1720	4	15.1%			8	34.4%	4	19.3%	aminotransferase, class-V								
	9	38.5%			6	25.6%	3	16.1%									
SGO_1721	9	28.8%	8	28.6%	10	31.2%	10	31.2%	sufD; FeS assembly protein SufD								
	8	26.0%	8	28.6%	11	34.3%	6	23.3%									

- Show detected proteins only
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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1722	9	34.8%	11	50.0%	14	56.3%	7	25.8%	sufC; FeS assembly ATPase SufC								
	9	39.1%	5	25.4%	10	48.4%	5	19.5%									
SGO_1724	3	13.6%							mecA; Adapter protein mec								
	6	32.6%	3	23.6%	4	24.8%											
SGO_1725	3	12.4%							bacA; bacitracin resistance protein								
	3	12.4%															
SGO_1726	8	16.7%							hypothetical protein SGO_1726								
	10	18.3%															
SGO_1727	16	44.3%	7	24.8%	8	28.4%	4	16.9%	amino acid ABC transporter, amino acid-binding/permease protein								
	16	43.6%	7	23.8%	10	33.2%	4	16.7%									
SGO_1728	8	44.7%	6	45.1%	7	44.3%	7	33.3%	glnQ; glutamine ABC transporter ATP-binding protein								
	9	47.6%	6	40.7%	6	40.7%	6	38.6%									
SGO_1729			5	68.1%	4	61.1%	3	50.0%	hypothetical protein SGO_1729								
			4	61.1%	4	61.1%	4	61.1%									
SGO_1730	26	75.6%	25	71.5%	19	61.7%	13	51.9%	SPFH domain/Band 7 family								
	32	78.3%	25	70.5%	21	63.4%	19	54.9%									
SGO_1731	3	23.6%	4	22.1%	6	38.2%	4	26.1%	DNA-binding response regulator								
	3	18.6%	3	24.1%	8	49.7%	6	37.2%									
SGO_1732	6	19.1%							histidine kinase								
	7	23.0%			3	9.6%											
SGO_1735	22	61.0%	21	58.5%	21	56.0%	18	50.7%	hypothetical protein SGO_1735								
	23	64.6%	25	60.6%	21	56.0%	16	47.3%									
SGO_1736	4	33.1%	4	33.1%	4	33.1%	3	28.9%	alkaline shock protein								
	4	33.1%	4	33.1%	4	33.1%											

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1737	3	38.7%							rpmB; ribosomal protein L28								
	4	40.3%					4	40.3%									
SGO_1738	4	21.2%							hypothetical protein SGO_1738								
	4	21.2%	3	14.0%													
SGO_1739	6	36.5%	3	27.7%					LytTr DNA-binding domain family								
	7	36.5%															
SGO_1744	9	34.8%	7	25.8%					ABC transporter, ATP-binding protein SP0636								
	8	34.2%															
SGO_1745	15	51.9%	18	54.9%	14	51.2%	16	54.9%	fba; fructose-1,6-bisphosphate aldolase, class II								
	17	56.7%	22	63.8%	15	51.2%	16	54.9%									
SGO_1747					3	25.0%	3	27.2%	hypothetical protein SGO_1747								
			3	27.2%	3	33.1%											
SGO_1748	9	25.0%			7	23.8%	6	21.0%	pyrG; CTP synthase								
	11	24.2%	3	11.4%	12	36.5%	6	17.9%									
SGO_1749	7	36.6%	6	28.0%	8	43.6%	3	11.5%	manA; mannose-6-phosphate isomerase, class I								
	9	42.7%	10	47.1%	7	36.6%	6	28.0%									
SGO_1750	11	21.4%							ABC-type multidrug/protein/lipid transport system, ATPase component								
	13	25.1%															
SGO_1751	13	27.0%			3	6.1%			ABC-type multidrug/protein/lipid transport system, ATPase component								
	13	28.2%			6	11.4%											
SGO_1753	3	22.8%							hypothetical protein SGO_1753								
SGO_1755	8	47.2%	6	39.5%	11	67.6%	11	67.6%	scrK; fructokinase								
	8	43.5%	7	47.2%	12	67.6%	9	57.5%									

- Show detected proteins only
- Show all proteins

Filter by category:

ABC Transporter

Proteins found:
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Summary Table SgFn vs Sg SgPg vs Sg SgPgFn vs Sg SgPg vs SgFn SgPgFn vs SgFn SgPgFn vs SgPg Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1756	6	49.4%							hypothetical protein SGO_1756								
SGO_1757	19	44.4%	13	34.3%	24	54.6%	14	39.3%	glmS; glucosamine--fructose-6-phosphate aminotransferase								
	24	48.4%	12	35.0%	25	61.0%	17	47.6%									
SGO_1760			3	9.6%	4	14.3%			DNA-binding response regulator								
SGO_1761	6	13.8%							histidine kinase								
	10	18.9%															
SGO_1763	18	48.4%	17	46.1%	17	54.5%	15	53.9%	ABC transporter, substrate-binding protein SP0092								
	20	56.6%	11	39.3%	19	56.4%	12	40.7%									
SGO_1768	6	13.8%	12	23.7%	3	7.9%			glycosyl hydrolase, family 38								
	5	10.5%	13	26.6%	8	15.5%											
SGO_1772	3	11.8%							integral membrane protein								
SGO_1774	5	27.5%	8	36.5%	6	30.4%	4	21.2%	alcohol dehydrogenase, zinc-containing								
	8	40.6%	8	39.4%	6	29.0%	4	23.8%									
SGO_1780	3	16.7%	3	14.3%					hypothetical protein SGO_1780								
SGO_1784	14	20.6%	20	28.6%	16	25.1%	12	20.9%	leuS; leucyl-tRNA synthetase								
	18	25.1%	12	21.4%	16	26.9%	16	27.7%									
SGO_1792			3	12.8%					transcription regulator								
SGO_1799	19	42.5%	32	72.1%	26	63.3%	23	59.8%	endopeptidase O								
	25	51.6%	27	65.1%	28	64.3%	16	41.7%									

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1179

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>		Description	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1800	18	76.2%			10	56.1%	6	34.3%	troB; manganese ABC transporter, ATP-binding protein SP1648								
	19	75.7%			10	53.1%	6	30.1%									
SGO_1802	26	75.2%	7	38.4%	21	70.6%	16	71.6%	Metal ABC transporter substrate-binding lipoprotein precursor								
	32	85.8%	4	27.4%	18	66.8%	16	72.6%									
SGO_1803	4	37.4%	5	51.5%	5	51.5%	4	29.4%	tpx; thioredoxin peroxidase								
	5	38.0%	5	51.5%	7	52.1%	3	28.8%									
SGO_1804			6	23.0%	10	40.1%			hutI; imidazolonepropionase								
	4	18.1%	4	17.8%	10	37.1%											
SGO_1805	3	7.0%	3	7.1%	16	29.4%	8	16.3%	hutU; urocanate hydratase								
					20	39.1%	3	5.6%									
SGO_1806					9	38.5%	5	20.7%	ftcD; glutamate formiminotransferase								
					9	29.4%	4	16.4%									
SGO_1807					3	23.6%			serine cycle enzyme, putative								
					3	23.6%											
SGO_1808					6	18.7%	3	7.9%	fhs-2; formate--tetrahydrofolate ligase								
			4	9.5%	6	18.3%	5	13.5%									
SGO_1811	4	12.3%			5	15.4%			hutH; histidine ammonia-lyase								
	5	15.4%	3	10.7%	7	22.2%	4	12.3%									
SGO_1813			3	12.8%					hutG; formimidoylglutamase								
	3	11.6%															
SGO_1814	6	7.9%	6	7.7%					putative regulatory protein								
	5	6.5%	5	8.8%													
SGO_1816	3	15.8%	6	33.0%					scaR; ScaR Manganese-dependent regulator of scaCBA								
	4	23.7%	5	24.7%	5	27.9%											

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg		SgFn		SgPg		SgPgFn	
n	Coverage	n	Coverage	n	Coverage	n	Coverage
22	33.7%	9	15.3%	10	19.5%	4	7.0%
25	39.8%	10	15.6%	5	11.0%		

Description

Sg		SgFn		SgPg		SgPgFn	
Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1822	22	33.7%	9	15.3%	10	19.5%	4	7.0%	relA; GTP diphosphokinase								
	25	39.8%	10	15.6%	5	11.0%											
SGO_1823					4	28.3%			conserved hypothetical protein TIGR00046								
					3	19.0%											
SGO_1824	6	34.6%	4	25.5%	4	25.5%	5	30.8%	prmA; ribosomal protein L11 methyltransferase								
	8	40.6%	5	27.7%	6	36.2%	5	29.6%									
SGO_1827	5	35.3%	3	27.6%	3	27.6%			hypothetical protein SGO_1827								
	4	27.6%			3	27.6%											
SGO_1828	6	19.7%	5	15.4%	3	12.6%			ATPase, AAA family								
	3	12.8%	3	10.4%	4	15.6%	3	11.4%									
SGO_1834	5	27.6%	11	69.9%	6	43.4%	8	54.1%	hypothetical protein SGO_1834								
	5	28.1%	11	73.5%	7	52.6%	8	55.6%									
SGO_1835			3	29.9%	3	29.9%			hypothetical protein SGO_1835								
	3	29.9%			3	29.9%	3	47.8%									
SGO_1843	11	33.4%	14	49.4%	13	38.0%	10	31.2%	pepS; aminopeptidase PepS								
	12	40.0%	11	43.8%	13	38.0%	10	29.5%									
SGO_1844	5	7.9%	6	10.5%	10	18.9%	3	6.5%	cbxX/cfqX family protein								
	12	20.0%	9	16.1%	12	18.6%	5	10.0%									
SGO_1847	13	12.5%	10	8.7%	10	9.4%			polC; DNA polymerase III, alpha subunit, Gram-positive type								
	15	14.6%	11	12.0%	14	13.9%	6	4.8%									
SGO_1848	9	47.8%			4	23.9%	5	22.2%	lipoprotein, putative								
	10	48.3%			4	23.9%	4	17.8%									
SGO_1849	8	68.4%							hypothetical protein SGO_1849								
	7	63.2%															

- Show detected proteins only
 Show all proteins

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1851	25	54.5%	21	45.9%	25	54.7%	19	37.2%	proS; prolyl-tRNA synthetase								
	28	55.8%	23	53.7%	28	60.2%	20	45.0%									
SGO_1852	9	27.6%			5	17.7%	4	16.8%	membrane-associated zinc metalloprotease, putative								
	10	29.7%			5	18.5%											
SGO_1854	12	57.0%	6	34.5%	6	32.1%	6	32.1%	uppS; undecaprenyl diphosphate synthase								
	12	50.6%	6	32.1%	7	39.4%	6	28.5%									
SGO_1855	4	47.3%			3	47.3%			preprotein translocase, YajC subunit								
	4	47.3%			3	47.3%											
SGO_1856	17	35.8%	37	69.2%	12	22.9%	8	18.2%	ATP-dependent proteinase ATP-binding chain								
	19	34.7%	26	54.8%	12	26.7%	4	9.8%									
SGO_1857	4	11.3%			3	8.5%			PTS system, IIABC components								
	7	15.3%															
SGO_1858			4	17.8%	5	17.6%			beta-fructofuranosidase/sucrose 6 phoshate hydrolase								
	3	9.3%	5	16.7%	5	19.6%											
SGO_1860	10	47.4%	17	61.8%	11	48.1%	7	41.4%	5'-nucleotidase, lipoprotein e(P4) family								
	14	55.8%	13	55.8%	9	47.0%	5	29.5%									
SGO_1861	3	23.4%			4	40.1%			nusB; transcription antitermination factor NusB								
					4	40.1%	3	23.4%									
SGO_1862	3	40.3%	4	46.5%	3	38.8%	3	40.3%	alkaline shock protein								
	3	40.3%	5	63.6%	3	38.8%	4	47.3%									
SGO_1863	8	58.1%	7	61.3%	7	50.5%	6	41.4%	efp; Elongation factor P (EF-P)								
	8	58.1%	5	46.2%	8	66.1%	6	41.4%									
SGO_1864	10	46.2%	13	58.4%	10	43.1%	6	25.2%	X-Pro aminopeptidase								
	13	51.6%	13	63.7%	10	52.7%	6	25.2%									

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>		Description	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1865	26	35.1%	15	28.7%	17	29.2%	8	16.5%	uvrA; excinuclease ABC, A subunit								
	30	43.4%	14	28.2%	20	35.9%	8	16.3%									
SGO_1866					3	11.1%	3	8.3%	corA; magnesium and cobalt transporter								
SGO_1867	5	23.2%	3	15.6%	4	22.8%	3	20.1%	hypothetical protein SGO_1867								
	5	23.2%	4	22.8%	4	22.8%	4	22.8%									
SGO_1869	9	29.8%							hypothetical protein SGO_1869								
	13	46.3%															
SGO_1870	14	28.8%			4	8.9%			hypothetical protein SGO_1870								
	16	34.4%			3	6.3%											
SGO_1871	11	34.0%							lipoprotein, putative								
	11	34.3%															
SGO_1872	6	25.1%			5	21.0%			hypothetical protein SGO_1872								
	11	40.2%															
SGO_1878	3	20.6%							transcriptional regulator, TetR family domain protein								
	3	17.2%	4	29.9%													
SGO_1879	7	44.3%	4	43.0%	5	41.8%	3	31.6%	rpsR; ribosomal protein S18								
	7	44.3%	7	59.5%	6	41.8%	5	44.3%									
SGO_1880	8	79.8%	7	69.3%	8	79.8%	8	79.8%	ssb-1; single-strand binding protein								
	8	79.8%	6	57.1%	8	79.8%	7	73.0%									
SGO_1881	7	74.0%	8	76.0%	8	74.0%	8	78.1%	rpsF; ribosomal protein S6								
	8	82.3%	9	78.1%	7	72.9%	8	74.0%									
SGO_1882	3	19.8%	4	20.3%	4	20.3%	3	19.8%	foIE; GTP cyclohydrolase I								
	5	46.0%	5	40.1%	4	20.3%	4	25.1%									

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1884	6	30.6%							hypothetical protein SGO_1884								
	8	43.3%															
SGO_1885	30	60.7%	40	73.5%	29	63.5%	25	56.7%	groL; 60 kDa chaperonin/groEL protein								
	36	65.2%	35	75.4%	34	70.6%	24	61.1%									
SGO_1886	4	54.8%	4	54.8%	4	54.8%	3	41.9%	groES; chaperonin, 10 kDa								
	4	54.8%	4	51.6%	3	41.9%	3	41.9%									
SGO_1887	3	13.9%							ABC transporter, ATP-binding protein								
	7	29.6%															
SGO_1888	5	11.6%							ABC transporter, permease protein								
	7	12.8%															
SGO_1890	3	11.2%							PTS system, fructose(mannose)-specific IID								
	3	11.2%															
SGO_1891	3	13.8%							PTS system, IIC component								
	4	24.7%															
SGO_1892	5	52.4%	7	56.1%	5	52.4%	5	52.4%	PTS system, fructose(mannose)-specific IIB								
	6	56.1%	6	59.8%	5	52.4%	4	42.7%									
SGO_1894	3	12.4%							sugar-binding cell envelope protein								
	7	27.4%															
SGO_1895	3	15.0%							response regulator								
	3	14.5%															
SGO_1897	3	12.9%							rbsB; ribose ABC transporter (ribose-binding component) CAC1453								
	6	22.7%															
SGO_1898	9	40.6%	15	71.3%	13	63.4%	11	49.9%	glutamyl aminopeptidase								
	10	49.3%	17	70.1%	13	63.4%	9	40.6%									

 Show detected proteins only Show all proteins

Proteins found:

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1899	3	30.5%							hypothetical protein SGO_1899								
SGO_1900					3	36.2%			thioredoxin family protein								
	4	48.6%			3	43.8%											
SGO_1901	6	36.1%	4	22.6%	7	44.7%	5	31.7%	tRNA binding domain								
	5	31.7%	5	26.4%	7	36.1%	5	30.3%									
SGO_1902	5	57.3%			6	59.5%	6	59.5%	ssb; single-stranded DNA-binding protein								
	6	64.1%			6	59.5%	6	59.5%									
SGO_1903	17	39.1%	25	50.0%	20	46.4%	15	44.2%	ATP-dependent Zn protease								
	19	39.3%	20	49.0%	23	52.8%	13	39.5%									
SGO_1907									sensor protein								
	3	15.7%															
SGO_1912	3	20.4%			5	29.3%			Bifunctional folate synthesis protein								
	4	27.4%	4	25.6%	3	20.7%											
SGO_1914			4	15.0%	3	14.6%			folP; dihydropteroate synthase								
	4	15.6%	5	21.2%	4	18.1%	3	11.8%									
SGO_1916	19	61.4%	13	41.4%	19	61.4%	14	48.0%	ackA; acetate kinase								
	19	60.6%	13	47.7%	21	68.7%	12	46.7%									
SGO_1917	3	17.7%	3	18.6%	6	37.5%	5	29.3%	hypothetical protein SGO_1917								
	4	20.5%	6	34.4%	6	37.5%	3	18.9%									
SGO_1923	5	17.2%							comYB; competence protein								
SGO_1924	17	54.9%			11	41.1%	7	23.5%	comYA; competence protein comYA								
	16	54.9%			9	34.5%	5	15.4%									

 Show detected proteins only Show all proteins

Proteins found:

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 Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg		SgFn		SgPg		SgPgFn	
n	Coverage	n	Coverage	n	Coverage	n	Coverage

Description

Sg		SgFn		SgPg		SgPgFn	
Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1926	55	49.6%	51	52.1%	69	57.5%	55	48.3%	rpoC; DNA-directed RNA polymerase, beta chain								
	69	57.0%	56	57.9%	73	62.6%	55	50.3%									
SGO_1927	50	53.6%	44	55.0%	61	63.4%	44	52.1%	rpoB; DNA-directed RNA polymerase, beta subunit								
	53	54.5%	37	49.8%	57	63.7%	43	51.9%									
SGO_1928	27	36.4%			9	17.0%	5	10.4%	pbp1b; penicillin-binding protein 1B								
	30	42.4%			12	24.0%											
SGO_1929	11	37.6%	17	56.2%	19	56.0%	13	41.6%	tyrS; tyrosyl-tRNA synthetase								
	16	40.2%	16	57.4%	21	60.3%	13	46.7%									
SGO_1930	4	15.2%			3	12.1%			rrmA; Ribosomal RNA large subunit methyltransferase A								
	6	24.5%			3	12.1%											
SGO_1931					3	30.9%			lipoprotein, putative								
SGO_1934	11	26.9%							copper-translocating P-type ATPase								
	14	32.5%					3	5.4%									
SGO_1935	5	49.0%							negative transcriptional regulator, CopY								
	3	27.3%															
SGO_1936	25	58.2%	8	24.2%	18	50.8%	5	16.2%	adcA; metal-binding (Mn) permease precursor, lipoprotein								
	35	65.6%	8	24.8%	15	41.2%	6	18.2%									
SGO_1938	6	43.2%			3	22.9%			adcC; ATP-binding protein, Mn								
	8	48.3%			3	22.9%											
SGO_1939					4	30.6%			adcR; repressor protein adcR								
SGO_1957	8	30.8%	4	12.0%					hypothetical protein SGO_1957								
	12	41.3%	6	19.5%	3	13.4%											

- Show detected proteins only
 Show all proteins

Proteins found:
1179

Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg		SgFn		SgPg		SgPgFn	
n	Coverage	n	Coverage	n	Coverage	n	Coverage

Description

Sg		SgFn		SgPg		SgPgFn	
Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1958	5	47.7%	5	47.7%	6	48.4%	6	54.7%	rplQ; ribosomal protein L17								
	7	54.7%	5	51.6%	6	48.4%	5	47.7%									
SGO_1959	17	50.3%	20	59.0%	20	68.3%	15	54.8%	rpoA; DNA-directed RNA polymerase, alpha subunit								
	19	55.8%	15	56.7%	19	62.2%	18	63.5%									
SGO_1960	3	22.8%	4	33.9%	5	50.4%	4	33.9%	rpsK; ribosomal protein S11								
	4	33.1%	5	47.2%	4	33.9%	3	22.8%									
SGO_1961	16	69.4%	11	62.8%	17	69.4%	13	59.5%	rpsM; ribosomal protein S13p/S18e								
	16	69.4%	8	47.9%	14	69.4%	14	69.4%									
SGO_1962					3	60.5%	3	60.5%	rpmJ; ribosomal protein L36								
					3	60.5%											
SGO_1964	10	64.6%	13	62.7%	13	68.9%	12	67.9%	adk; Adenylate kinase (ATP-AMP transphosphorylase)								
	11	64.6%	11	62.3%	14	79.2%	9	58.0%									
SGO_1965	8	20.2%			6	15.4%	3	8.5%	Preprotein translocase secY subunit								
	9	20.6%			5	13.8%	3	8.5%									
SGO_1966	6	49.3%	7	50.7%	7	50.7%	12	56.2%	rplO; ribosomal protein L15								
	5	28.8%	5	47.3%	8	50.7%	9	50.7%									
SGO_1967	4	54.1%	3	54.1%	4	54.1%	5	54.1%	50S ribosomal protein L30 -related protein								
	4	54.1%	3	35.1%	4	54.1%	4	54.1%									
SGO_1968	11	65.9%	8	60.4%	10	71.3%	12	72.0%	rpsE; ribosomal protein S5								
	12	67.1%	9	76.2%	11	71.3%	11	72.0%									
SGO_1969	4	39.8%	4	39.8%	4	39.8%	5	47.5%	rplR; ribosomal protein L18								
	5	50.0%	4	39.8%	4	39.8%	4	39.8%									
SGO_1970	9	59.6%	12	71.9%	9	59.6%	9	59.6%	BL10; 50S ribosomal protein L6								
	10	65.7%	6	49.4%	11	66.3%	8	59.6%									

- Show detected proteins only
 Show all proteins

Proteins found:
1179

Filter by category:

ABC Transporter

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Summary Table SgFn vs Sg SgPg vs Sg SgPgFn vs Sg SgPg vs SgFn SgPgFn vs SgFn SgPgFn vs SgPg Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1971	12	59.8%	13	59.8%	12	58.3%	12	58.3%	rpsH; ribosomal protein S8								
	12	59.8%	10	50.0%	13	59.8%	11	58.3%									
SGO_1972									rpsN; ribosomal protein S14p/S29e								
	3	49.2%															
SGO_1973	18	83.9%	15	70.6%	16	80.6%	14	77.2%	BL6; 50S ribosomal protein L5								
	17	81.7%	15	88.3%	17	78.3%	15	75.0%									
SGO_1974	8	47.5%	9	63.4%	9	52.5%	8	47.5%	rplX; ribosomal protein L24								
	9	63.4%	6	54.5%	9	52.5%	8	47.5%									
SGO_1975	4	27.0%	4	22.1%	5	34.4%	5	32.0%	rplN; ribosomal protein L14								
	6	36.1%	4	22.1%	4	27.0%	5	32.0%									
SGO_1976	4	25.6%	3	25.6%	5	38.4%	5	38.4%	BS16; 30S ribosomal protein								
	4	25.6%	6	53.5%	6	58.1%	5	38.4%									
SGO_1977	4	42.6%	4	50.0%	5	45.6%	4	57.4%	rpmC; ribosomal protein L29								
	8	73.5%			5	58.8%	3	50.0%									
SGO_1978	4	33.6%	6	42.3%	6	44.5%	4	33.6%	rplP; ribosomal protein L16								
	8	52.6%	4	40.1%	6	44.5%	4	37.2%									
SGO_1979	12	55.8%	14	58.1%	11	53.9%	10	49.8%	rpsC; ribosomal protein S3								
	14	59.4%	13	69.6%	10	53.5%	9	53.9%									
SGO_1980	8	58.8%	6	50.9%	7	57.0%	6	54.4%	rplV; ribosomal protein L22								
	9	69.3%	5	49.1%	8	61.4%	7	60.5%									
SGO_1981	8	57.0%	8	48.4%	8	57.0%	6	55.9%	rpsS; ribosomal protein S19								
	9	58.1%	10	64.5%	9	57.0%	8	57.0%									
SGO_1982	10	47.3%	10	52.0%	11	56.0%	10	50.2%	rplB; ribosomal protein L2								
	12	52.7%	11	54.2%	11	45.5%	12	56.0%									

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1179

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>		Description	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_1983	7	69.4%	6	59.2%	8	69.4%	7	69.4%	rplW; ribosomal protein L23								
	9	84.7%	6	68.4%	7	69.4%	8	76.5%									
SGO_1984	7	37.7%	9	47.8%	8	51.7%	7	51.7%	rplD; ribosomal protein L4/L1 family								
	8	41.5%	9	49.8%	8	51.7%	7	51.7%									
SGO_1985	8	45.2%	11	63.9%	9	53.8%	10	59.6%	rplC; ribosomal protein L3								
	10	48.1%	10	64.9%	10	56.7%	10	59.6%									
SGO_1986	5	38.2%	5	38.2%	5	38.2%	6	45.1%	rpsJ; ribosomal protein S10								
	5	38.2%	5	45.1%	5	38.2%	6	45.1%									
SGO_1988	6	26.6%							hydrolase, haloacid dehalogenase-like family								
	6	25.7%	5	20.6%													
SGO_1989	25	67.0%	24	61.9%	31	69.5%	26	67.0%	purA; adenylosuccinate synthetase								
	26	67.2%	25	63.3%	29	65.8%	26	66.7%									
SGO_1990	3	6.4%	10	23.7%	7	15.3%	4	8.7%	glutamate--cysteine ligase, putative/amino acid ligase, putative								
	7	10.9%	12	26.4%	8	19.8%											
SGO_1991	3	12.8%	6	23.1%	3	16.2%			hslO; 33 kDa chaperonin /Heat shock protein 33-like protein								
	8	32.4%	5	19.7%	4	19.7%											
SGO_1993	10	49.8%	6	35.6%	9	49.8%	3	22.4%	possible transcriptional regulator								
	14	70.3%	6	45.1%	8	49.8%	5	29.7%									
SGO_1994	3	25.9%							lipoprotein, putative								
SGO_1995	4	16.0%	3	11.8%			3	13.4%	MutT/nudix family protein								
	4	16.0%	4	22.1%													
SGO_1998	19	30.2%	13	20.6%	21	32.3%	10	17.2%	clpB; ATP-dependent Clp proteinase, ATP-binding chain								
	24	32.6%	15	24.2%	23	34.7%	8	13.6%									

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

1179

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_2000	16	67.4%	17	68.6%	20	79.8%	16	66.9%	tsf; translation elongation factor Ts								
	16	67.4%	19	78.4%	18	78.1%	15	61.7%									
SGO_2001	17	63.8%	23	69.2%	19	65.8%	19	66.9%	rpsB; ribosomal protein S2								
	19	68.5%	23	80.8%	18	63.1%	20	69.2%									
SGO_2004	20	41.9%	5	13.1%					LPXTG cell wall surface protein								
	25	41.3%	6	14.3%													
SGO_2005	46	19.3%			5	1.8%	9	3.6%	LPXTG cell wall surface protein								
	54	21.0%	4	1.9%	5	2.3%	5	1.9%									
SGO_2006	3	27.3%							thioredoxin signature protein								
	3	28.9%															
SGO_2007	7	47.8%	8	56.7%	6	43.3%	5	36.5%	nusG; transcription termination/antitermination factor NusG								
	8	53.4%	7	48.9%	7	55.6%	7	47.8%									
SGO_2008	3	31.0%							preprotein translocase secE component -related protein								
	3	31.0%															
SGO_2010	17	33.1%	6	17.3%					pbp2a; penicillin-binding protein 2A								
	17	33.2%	4	8.4%													
SGO_2013	35	48.2%	5	6.0%					putative N-acetylmuramidase/lysin								
	40	53.4%	5	6.6%													
SGO_2015									possible polysaccharide transport protein								
	3	6.4%															
SGO_2016									nucleotide sugar dehydratase, putative								
	4	10.5%															
SGO_2017					3	29.6%			nucleotidyl transferase, putative								
	5	41.3%															

- Show detected proteins only
 Show all proteins

Proteins found:
1179

Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_2019	8	34.7%			6	22.6%			licD; licD3 protein								
	9	38.2%			4	18.8%											
SGO_2020	4	16.0%							glycosyltransferase								
SGO_2021	7	34.9%							Extracellular polysaccharide glycosyltransferase								
	11	45.5%															
SGO_2022	4	17.7%							UDP-glucose 4-epimerase BH3715								
SGO_2023	7	33.3%							galactosyltransferase								
	6	33.3%															
SGO_2024	19	32.3%			10	18.9%	3	6.5%	Extracellular polysaccharide biosynthesis								
	24	38.8%			8	14.9%	4	10.0%									
SGO_2025	13	60.2%			10	43.7%	3	16.9%	wze; putative autophosphorylating protein tyrosine kinase								
	12	54.5%			9	44.2%	5	28.6%									
SGO_2026	5	31.6%			6	37.7%			wzd; polysaccharide export protein, MPA1 family								
	6	31.6%			5	31.6%											
SGO_2027	5	12.3%							wzh; wzh/Putative phosphotyrosine-protein phosphatase								
SGO_2028	12	29.8%							wzg; transcriptional regulator								
	13	31.5%			3	8.6%											
SGO_2033	22	40.2%	23	39.0%	14	33.4%	7	17.7%	nrdD; ribonucleoside-triphosphate reductase								
	31	48.2%	16	30.4%	14	31.9%	9	21.1%									
SGO_2034	8	14.0%	3	7.1%	4	7.6%			hypothetical protein SGO_2034								
	11	19.3%															

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

1179

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_2037	8	21.0%	5	11.4%					cardiolipin synthase								
	9	22.4%	6	14.0%													
SGO_2039	5	16.7%							dihydrofolate synthase								
	6	18.7%			3	8.7%											
SGO_2041	4	33.8%			6	43.9%	3	23.0%	conserved hypothetical protein TIGR00250								
	5	38.1%			4	33.8%											
SGO_2042	5	67.0%	5	68.2%	3	53.4%	4	63.6%	Bacterial protein of unknown function (DUF965) superfamily								
	4	63.6%	4	63.6%	3	53.4%	4	63.6%									
SGO_2043	8	58.9%							lipoprotein, putative								
	7	44.7%			3	21.6%											
SGO_2045	18	52.2%	16	49.3%	18	53.3%	17	51.4%	recA; recA protein								
	22	54.8%	13	41.0%	19	55.6%	17	54.3%									
SGO_2046	7	19.9%	5	14.4%	4	10.0%	4	8.6%	cinA; competence induced protein								
	5	12.2%	5	10.0%	4	9.6%	4	9.8%									
SGO_2049									tagI; DNA-3-methyladenine glycosylase I								
	3	29.3%															
SGO_2050	5	37.2%			3	25.5%			ruvA; Holliday junction DNA helicase RuvA								
	3	17.3%	3	23.5%	4	26.0%											
SGO_2052									hypothetical protein SGO_2052								
	4	25.4%															
SGO_2053	9	20.2%	9	23.5%	5	13.8%	5	13.3%	DNA mismatch repair protein hexB								
	12	28.4%	6	14.4%	10	27.5%	7	17.3%									
SGO_2056	15	20.2%	13	21.3%	11	21.4%	5	8.0%	mutS; DNA mismatch repair protein MutS								
	17	28.1%	18	31.5%	14	28.6%	10	22.6%									

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

1179

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_2057	7	59.3%							argR; arginine repressor								
	6	49.0%															
SGO_2058	31	59.8%	39	69.4%	37	66.2%	25	56.6%	argS; arginyl-tRNA synthetase								
	37	65.7%	36	70.5%	36	64.1%	24	52.0%									
SGO_2059	5	19.0%							hypothetical protein SGO_2059								
SGO_2060	15	31.5%	12	28.1%	21	43.0%	8	16.6%	aspS-1; aspartyl-tRNA synthetase								
	22	42.0%	15	37.0%	19	39.4%	8	19.7%									
SGO_2062	16	45.8%	19	63.1%	21	66.0%	14	37.1%	hisS; histidyl-tRNA synthetase								
	17	48.6%	18	55.2%	20	62.4%	14	40.4%									
SGO_2064	16	40.0%	19	48.8%	22	54.0%	15	41.9%	ilvD; dihydroxy-acid dehydratase								
	18	40.3%	18	47.7%	24	60.4%	14	40.3%									
SGO_2065									rpmF; ribosomal protein L32								
SGO_2066	3	34.7%	5	65.3%	4	44.9%	3	34.7%	rpmG; ribosomal protein L33								
	4	53.1%			3	34.7%	4	44.9%									
SGO_2070	7	31.4%	7	37.1%	9	48.8%	7	34.8%	hypothetical protein SGO_2070								
	9	40.1%	3	15.7%	8	42.8%	3	12.4%									
SGO_2073							3	13.0%	FtsK/SpoIIIE family subfamily, putative								
SGO_2080	7	29.7%			4	20.6%			transcription activator plcR								
	6	29.7%			5	22.9%											
SGO_2081	10	47.4%							lipoprotein, putative								
	15	60.9%			3	24.3%											

- Show detected proteins only
- Show all proteins

Filter by category:

ABC Transporter

Proteins found:
1179

Dot Plots Dot Plots

Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Sg

SgFn

SgPg

SgPgFn

Description

Sg

SgFn

SgPg

SgPgFn

Protein

n Coverage

n Coverage

n Coverage

n Coverage

Rep I Rep II

Rep I Rep II

Rep I Rep II

Rep I Rep II

SGO_2082

9

43.0%

3

17.7%

lipoprotein, putative



SGO_2084

4

27.7%

3

13.3%

NAD(P)H dehydrogenase, quinone family



SGO_2085

21

58.7%

12

37.4%

16

50.6%

13

46.4%

purB; adenylosuccinate lyase



SGO_2086

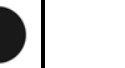
6

15.6%

8

18.9%

hypothetical protein SGO_2086



SGO_2094

8

26.0%

11

37.7%

general stress protein GSP-781



SGO_2096

16

51.8%

21

60.6%

comB; transport protein ComB



SGO_2097

30

47.3%

32

49.7%

10

16.0%

3

2.9%

comA; ATP-binding Transport protein ComA



SGO_2098

17

65.0%

21

65.5%

16

69.0%

20

61.6%

21

75.4%

rpsD; ribosomal protein S4



SGO_2099

4

22.9%

ABC transporter ATP-binding protein



SGO_2100

14

45.8%

12

42.5%

7

27.1%

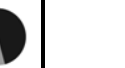
25

60.5%

18

49.7%

ABC transporter substrate-binding protein



SGO_2102

5

60.4%

5

60.4%

3

45.8%

hypothetical protein SGO_2102



SGO_2103

4

21.0%

3

21.5%

hydrolase, haloacid dehalogenase-like family

 Show detected proteins only Show all proteins Filter by category:

ABC Transporter

Proteins found:

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_2104	15	48.4%	13	53.7%	13	54.4%	9	34.7%	srtB; sortase B								
	18	57.9%	13	51.9%	13	57.2%	9	35.4%									
SGO_2105	9	55.9%	11	55.9%	5	39.0%	6	48.2%	abpA; amylase-binding protein AbpA								
	12	69.7%	12	69.7%	7	48.2%	6	44.6%									
SGO_2106	13	44.2%	14	40.8%	14	43.0%	14	45.5%	ribose-phosphate diphosphokinase								
	16	48.0%	15	44.9%	14	40.8%	10	34.3%									
SGO_2107	4	22.7%							general stress protein GSP-781								
	4	23.5%															
SGO_2108	10	55.1%			5	32.4%			mreC; cell shape-determining protein MreC								
	11	57.8%			3	20.6%											
SGO_2133	32	50.5%	33	53.6%	25	47.4%	19	37.6%	Cell division protein ftsH-like protein								
	40	57.6%	26	47.3%	22	40.9%	18	37.9%									
SGO_2134	6	26.7%	12	52.8%	11	46.7%	8	38.3%	hpt; hypoxanthine phosphoribosyltransferase								
	7	33.3%	12	52.8%	10	46.7%	6	37.2%									
SGO_2138									Septum formation initiator family								
	5	42.6%															
SGO_2139	3	43.2%							S4 RNA-binding domain protein								
SGO_2140	6	6.6%							transcription-repair coupling factor								
	8	9.5%															
SGO_2141									pth; peptidyl-tRNA hydrolase								
	3	18.5%															
SGO_2142	15	56.9%	14	53.4%	16	61.2%	13	44.7%	GTP-binding protein								
	17	62.0%	16	58.5%	18	61.2%	15	56.9%									

Description

Protein	Sg		SgFn		SgPg		SgPgFn		Description	Sg		SgFn		SgPg		SgPgFn	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_2104	15	48.4%	13	53.7%	13	54.4%	9	34.7%	srtB; sortase B								
	18	57.9%	13	51.9%	13	57.2%	9	35.4%									
SGO_2105	9	55.9%	11	55.9%	5	39.0%	6	48.2%	abpA; amylase-binding protein AbpA								
	12	69.7%	12	69.7%	7	48.2%	6	44.6%									
SGO_2106	13	44.2%	14	40.8%	14	43.0%	14	45.5%	ribose-phosphate diphosphokinase								
	16	48.0%	15	44.9%	14	40.8%	10	34.3%									
SGO_2107	4	22.7%							general stress protein GSP-781								
	4	23.5%															
SGO_2108	10	55.1%			5	32.4%			mreC; cell shape-determining protein MreC								
	11	57.8%			3	20.6%											
SGO_2133	32	50.5%	33	53.6%	25	47.4%	19	37.6%	Cell division protein ftsH-like protein								
	40	57.6%	26	47.3%	22	40.9%	18	37.9%									
SGO_2134	6	26.7%	12	52.8%	11	46.7%	8	38.3%	hpt; hypoxanthine phosphoribosyltransferase								
	7	33.3%	12	52.8%	10	46.7%	6	37.2%									
SGO_2138									Septum formation initiator family								
	5	42.6%															
SGO_2139	3	43.2%							S4 RNA-binding domain protein								
SGO_2140	6	6.6%							transcription-repair coupling factor								
	8	9.5%															
SGO_2141									pth; peptidyl-tRNA hydrolase								
	3	18.5%															
SGO_2142	15	56.9%	14	53.4%	16	61.2%	13	44.7%	GTP-binding protein								
	17	62.0%	16	58.5%	18	61.2%	15	56.9%									

- Show detected proteins only
 Show all proteins

Proteins found:
1179

Filter by category:

ABC Transporter

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Summary Table

SgFn vs Sg

SgPg vs Sg

SgPgFn vs Sg

SgPg vs SgFn

SgPgFn vs SgFn

SgPgFn vs SgPg

Coverage

Protein	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>		Description	<i>Sg</i>		<i>SgFn</i>		<i>SgPg</i>		<i>SgPgFn</i>	
	n	Coverage	n	Coverage	n	Coverage	n	Coverage		Rep I	Rep II	Rep I	Rep II	Rep I	Rep II	Rep I	Rep II
SGO_2145	17	56.5%			15	56.1%	15	56.9%	comE; competence response regulator ComE								
	20	61.6%			17	56.1%	16	56.9%									
SGO_2146	11	29.4%			7	23.2%			comD; histidine protein kinase ComD								
	11	32.0%			6	19.9%	3	6.0%									
SGO_2150	11	44.8%	9	34.5%	8	39.3%	7	34.8%	degP; serine protease								
	14	52.1%	9	32.7%	9	39.5%	5	24.4%									

- Show detected proteins only
- Show all proteins

Proteins found:
1179

Filter by category:

ABC Transporter

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