

Accession	Entry Name	% of IntAct	% of IntAct	% of IntAct	* ID interactor A
P00350	6PGD_ECOLI				* P00350
P00350	6PGD_ECOLI				* P00350
P00350	6PGD_ECOLI	3	3	100.00%	* P00350
P52697	6PGL_ECOLI				* P52697
P52697	6PGL_ECOLI				* P52697
P52697	6PGL_ECOLI				* P52697
P52697	6PGL_ECOLI				* P52697
P52697	6PGL_ECOLI	4	6	66.67%	* P52697
P00509	AAT_ECOLI	1	1	100.00%	* P00509
P0ABD5	ACCA_ECOLI				* P0ABD5
P0ABD5	ACCA_ECOLI				* P0ABD5
P0ABD5	ACCA_ECOLI				* P0ABD5
P0ABD5	ACCA_ECOLI				* P0ABD5
P0ABD5	ACCA_ECOLI				* P0ABD5
P0ABD5	ACCA_ECOLI				* P0ABD5
P0ABD5	ACCA_ECOLI				* P0ABD5
P0ABD5	ACCA_ECOLI				* P0ABD5
P0ABD5	ACCA_ECOLI				* P0ABD5
P0ABD5	ACCA_ECOLI				* P0ABD5
P0ABD5	ACCA_ECOLI				* P0ABD5
P0ABD5	ACCA_ECOLI	9	13	69.23%	* P0ABD5
P24182	ACCC_ECOLI				* P24182
P24182	ACCC_ECOLI				* P24182
P24182	ACCC_ECOLI				* P24182
P24182	ACCC_ECOLI				* P24182
P24182	ACCC_ECOLI				* P24182
P24182	ACCC_ECOLI				* P24182
P24182	ACCC_ECOLI				* P24182
P24182	ACCC_ECOLI				* P24182
P24182	ACCC_ECOLI				* P24182
P24182	ACCC_ECOLI				* P24182
P24182	ACCC_ECOLI				* P24182
P24182	ACCC_ECOLI				* P24182
P24182	ACCC_ECOLI				* P24182
P24182	ACCC_ECOLI	7	15	46.67%	* P24182
P0A9G6	ACEA_ECOLI				* P0A9G6
P0A9G6	ACEA_ECOLI	0	2	0.00%	* P0A9G6

P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI				* P0A6A8
P0A6A8	ACP_ECOLI	38	57	66.67%	* P0A6A8
P24180	ACRE_ECOLI				none
P0ACS9	ACRR_ECOLI	1	1	100.00%	* P0ACS9
P22333	ADD_ECOLI				* P22333
P22333	ADD_ECOLI				* P22333
P22333	ADD_ECOLI				* P22333
P22333	ADD_ECOLI				* P22333
P22333	ADD_ECOLI				* P22333
P22333	ADD_ECOLI	2	6	33.33%	* P22333

P33224	AIDB_ECOLI				* P33224
P33224	AIDB_ECOLI				* P33224
P33224	AIDB_ECOLI				* P33224
P33224	AIDB_ECOLI				* P33224
P33224	AIDB_ECOLI				* P33224
P33224	AIDB_ECOLI				* P33224
P33224	AIDB_ECOLI				* P33224
P33224	AIDB_ECOLI	25	26	96.15%	* P33224
P00561	AK1H_ECOLI				* P00561
P00561	AK1H_ECOLI	2	2	100.00%	* P00561
P08660	AK3_ECOLI				none
P0AB71	ALF_ECOLI				* P0AB71
P0AB71	ALF_ECOLI				* P0AB71
P0AB71	ALF_ECOLI				* P0AB71
P0AB71	ALF_ECOLI				* P0AB71
P0AB71	ALF_ECOLI				* P0AB71
P0AB71	ALF_ECOLI	4	6	66.67%	* P0AB71
P0A991	ALF1_ECOLI				* P0A991
P0A991	ALF1_ECOLI				* P0A991
P0A991	ALF1_ECOLI				* P0A991
P0A991	ALF1_ECOLI	2	4	50.00%	* P0A991
P0A955	ALKH_ECOLI				* P0A955
P0A955	ALKH_ECOLI				* P0A955
P0A955	ALKH_ECOLI				* P0A955
P0A955	ALKH_ECOLI				* P0A955
P0A955	ALKH_ECOLI				* P0A955
P0A955	ALKH_ECOLI				* P0A955
P0A955	ALKH_ECOLI	2	7	28.57%	* P0A955
P77425	ALLC_ECOLI				* P77425
P77425	ALLC_ECOLI				* P77425
P77425	ALLC_ECOLI				* P77425
P77425	ALLC_ECOLI				* P77425
P77425	ALLC_ECOLI	3	5	60.00%	* P77425
P0ACN4	ALLR_ECOLI				* P0ACN4
P0ACN4	ALLR_ECOLI				* P0ACN4
P0ACN4	ALLR_ECOLI				* P0ACN4
P0ACN4	ALLR_ECOLI				* P0ACN4
P0ACN4	ALLR_ECOLI				* P0ACN4

P0AE18	AMPM_ECOLI				* P0AE18
P0AE18	AMPM_ECOLI				* P0AE18
P0AE18	AMPM_ECOLI				* P0AE18
P0AE18	AMPM_ECOLI				* P0AE18
P0AE18	AMPM_ECOLI				* P0AE18
P0AE18	AMPM_ECOLI				* P0AE18
P0AE18	AMPM_ECOLI				* P0AE18
P0AE18	AMPM_ECOLI				* P0AE18
P0AE18	AMPM_ECOLI				* P0AE18
P0AE18	AMPM_ECOLI				* P0AE18
P0AE18	AMPM_ECOLI	15	22	68.18%	* P0AE18
P04825	AMPN_ECOLI				* P04825
P04825	AMPN_ECOLI				* P04825
P04825	AMPN_ECOLI				* P04825
P04825	AMPN_ECOLI	2	4	50.00%	* P04825
P62672	APAG_ECOLI				none
P69503	APT_ECOLI				* P69503
P69503	APT_ECOLI				* P69503
P69503	APT_ECOLI	1	3	33.33%	* P69503
P0A9Q1	ARCA_ECOLI	1	1	100.00%	* P0A9Q1
P0A6C8	ARGB_ECOLI				none
P77690	ARNB_ECOLI				none
P07639	AROB_ECOLI				* P07639
P07639	AROB_ECOLI				* P07639
P07639	AROB_ECOLI	1	3	33.33%	* P07639
P15770	AROE_ECOLI				* P15770
P15770	AROE_ECOLI				* P15770
P15770	AROE_ECOLI	2	3	66.67%	* P15770
P0A6D7	AROK_ECOLI				none
P0AE28	AROM_ECOLI				* P0AE28
P0AE28	AROM_ECOLI				* P0AE28
P0AE28	AROM_ECOLI	2	3	66.67%	* P0AE28
P76205	ARPB_ECOLI				none

P00963	ASNA_ECOLI	1	1	100.00%	* P00963
P0ACI6	ASNC_ECOLI	1	1	100.00%	* P0ACI6
P00805	ASPG2_ECOLI				* P00805
P00805	ASPG2_ECOLI	1	2	50.00%	* P00805
P36560	ASR_ECOLI				none
POABB0	ATPA_ECOLI				* POABB0
POABB0	ATPA_ECOLI				* POABB0
POABB0	ATPA_ECOLI				* POABB0
POABB0	ATPA_ECOLI				* POABB0
POABB0	ATPA_ECOLI				* POABB0
POABB0	ATPA_ECOLI				* POABB0
POABB0	ATPA_ECOLI				* POABB0
POABB0	ATPA_ECOLI				* POABB0
POABB0	ATPA_ECOLI				* POABB0
POABB0	ATPA_ECOLI				* POABB0
POABB0	ATPA_ECOLI				* POABB0
POABB0	ATPA_ECOLI				* POABB0
POABB0	ATPA_ECOLI				* POABB0
POABB0	ATPA_ECOLI				* POABB0
POABB0	ATPA_ECOLI				* POABB0
POABB0	ATPA_ECOLI				* POABB0
POABB0	ATPA_ECOLI				* POABB0
POABB0	ATPA_ECOLI	15	18	83.33%	* POABB0
POABB4	ATPB_ECOLI				* POABB4
POABB4	ATPB_ECOLI				* POABB4
POABB4	ATPB_ECOLI				* POABB4
POABB4	ATPB_ECOLI				* POABB4
POABB4	ATPB_ECOLI				* POABB4
POABB4	ATPB_ECOLI				* POABB4
POABB4	ATPB_ECOLI				* POABB4
POABB4	ATPB_ECOLI				* POABB4
POABB4	ATPB_ECOLI	9	9	100.00%	* POABB4
POABA0	ATPF_ECOLI				none
POABA6	ATPG_ECOLI				* POABA6
POABA6	ATPG_ECOLI				* POABA6
POABA6	ATPG_ECOLI				* POABA6
POABA6	ATPG_ECOLI				* POABA6
POABA6	ATPG_ECOLI				* POABA6

P0ABA6	ATPG_ECOLI	4	6	66.67%	* P0ABA6
P68699	ATPL_ECOLI				none
P37617	ATZN_ECOLI				* P37617
P37617	ATZN_ECOLI				* P37617
P37617	ATZN_ECOLI				* P37617
P37617	ATZN_ECOLI				* P37617
P37617	ATZN_ECOLI				* P37617
P37617	ATZN_ECOLI				* P37617
P37617	ATZN_ECOLI	4	7	57.14%	* P37617
P41407	AZOR_ECOLI				none
P30847	BAES_ECOLI				none
P30843	BASR_ECOLI				* P30843
P30843	BASR_ECOLI				* P30843
P30843	BASR_ECOLI				* P30843
P30843	BASR_ECOLI	3	4	75.00%	* P30843
P0AE52	BCP_ECOLI				* P0AE52
P0AE52	BCP_ECOLI				* P0AE52
P0AE52	BCP_ECOLI				* P0AE52
P0AE52	BCP_ECOLI				* P0AE52
P0AE52	BCP_ECOLI				* P0AE52
P0AE52	BCP_ECOLI				* P0AE52
P0AE52	BCP_ECOLI	4	7	57.14%	* P0AE52
P37652	BCSB_ECOLI				none
P17445	BETB_ECOLI				* P17445
P17445	BETB_ECOLI				* P17445
P17445	BETB_ECOLI				* P17445
P17445	BETB_ECOLI				* P17445
P17445	BETB_ECOLI				* P17445
P17445	BETB_ECOLI	2	6	33.33%	* P17445
P0ABD3	BFR_ECOLI				* P0ABD3
P0ABD3	BFR_ECOLI	0	2	0.00%	* P0ABD3
P06864	BGA2_ECOLI				none
Q46829	BGLA_ECOLI				* Q46829
Q46829	BGLA_ECOLI	1	2	50.00%	* Q46829

P0A6F9	CH10_ECOLI				*	P0A6F9
P0A6F9	CH10_ECOLI	14	19	73.68%	*	P0A6F9
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI				*	P0A6F5
P0A6F5	CH60_ECOLI	15	23	65.22%	*	P0A6F5
P17411	CHBF_ECOLI					none
P0ABH7	CISY_ECOLI				*	P0ABH7
P0ABH7	CISY_ECOLI				*	P0ABH7
P0ABH7	CISY_ECOLI				*	P0ABH7
P0ABH7	CISY_ECOLI	3	4	75.00%	*	P0ABH7
P77390	CITC_ECOLI				*	P77390
P77390	CITC_ECOLI				*	P77390
P77390	CITC_ECOLI				*	P77390
P77390	CITC_ECOLI				*	P77390
P77390	CITC_ECOLI	2	5	40.00%	*	P77390
P0ABH9	CLPA_ECOLI				*	P0ABH9
P0ABH9	CLPA_ECOLI				*	P0ABH9
P0ABH9	CLPA_ECOLI				*	P0ABH9
P0ABH9	CLPA_ECOLI				*	P0ABH9
P0ABH9	CLPA_ECOLI				*	P0ABH9

P0ABH9	CLPA_ECOLI				* P0ABH9
P0ABH9	CLPA_ECOLI				* P0ABH9
P0ABH9	CLPA_ECOLI				* P0ABH9
P0ABH9	CLPA_ECOLI				* P0ABH9
P0ABH9	CLPA_ECOLI				* P0ABH9
P0ABH9	CLPA_ECOLI	35	56	62.50%	* P0ABH9
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI				* P63284
P63284	CLPB_ECOLI	20	38	52.63%	* P63284

P0ABK5	CYSK_ECOLI	5	8	62.50%	* P0ABK5
P16700	CYSP_ECOLI	1	1	100.00%	* P16700
P22255	CYSQ_ECOLI				none
P0AEB2	DACA_ECOLI				none
P08506	DACC_ECOLI				none
P0A6J5	DADA_ECOLI				none
P0A6L2	DAPA_ECOLI				* P0A6L2
P0A6L2	DAPA_ECOLI				* P0A6L2
P04036	DAPB_ECOLI				none
P0A9D8	DAPD_ECOLI	0	1	0.00%	* P0A9D8
P0AED7	DAPE_ECOLI	1	1	100.00%	* P0AED7
P0A6K1	DAPF_ECOLI				none
P0ACF0	DBHA_ECOLI				* P0ACF0
P0ACF0	DBHA_ECOLI				* P0ACF0
P0ACF0	DBHA_ECOLI				* P0ACF0
P0ACF0	DBHA_ECOLI				* P0ACF0
P0ACF0	DBHA_ECOLI				* P0ACF0
P0ACF0	DBHA_ECOLI				* P0ACF0
P0ACF0	DBHA_ECOLI				* P0ACF0
P0ACF0	DBHA_ECOLI				* P0ACF0
P0ACF0	DBHA_ECOLI				* P0ACF0
P0ACF0	DBHA_ECOLI				* P0ACF0
P0ACF0	DBHA_ECOLI				* P0ACF0
P0ACF0	DBHA_ECOLI				* P0ACF0
P0ACF0	DBHA_ECOLI				* P0ACF0
P0ACF0	DBHA_ECOLI				* P0ACF0
P0ACF0	DBHA_ECOLI				* P0ACF0
P0ACF0	DBHA_ECOLI				* P0ACF0
P0ACF0	DBHA_ECOLI				* P0ACF0
P0ACF4	DBHB_ECOLI				* P0ACF4
P0ACF4	DBHB_ECOLI				* P0ACF4
P0ACF4	DBHB_ECOLI				* P0ACF4
P0ACF4	DBHB_ECOLI				* P0ACF4

POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
POACF4	DBHB_ECOLI	* POACF4
P69908	DCEA_ECOLI	* P69908
P69908	DCEA_ECOLI	* P69908
P69908	DCEA_ECOLI	* P69908

P69908	DCEA_ECOLI				* P69908
P69908	DCEA_ECOLI				* P69908
P69908	DCEA_ECOLI				* P69908
P69908	DCEA_ECOLI				* P69908
P69908	DCEA_ECOLI				* P69908
P69908	DCEA_ECOLI				* P69908
P69908	DCEA_ECOLI				* P69908
P69908	DCEA_ECOLI				* P69908
P69908	DCEA_ECOLI				* P69908
P69908	DCEA_ECOLI				* P69908
P69908	DCEA_ECOLI				* P69908
P69908	DCEA_ECOLI				* P69908
P69910	DCEB_ECOLI				* P69910
P69910	DCEB_ECOLI				* P69910
P69910	DCEB_ECOLI				* P69910
P69910	DCEB_ECOLI				* P69910
P69910	DCEB_ECOLI				* P69910
POAED9	DCM_ECOLI				* POAED9
POAED9	DCM_ECOLI				* POAED9
POAED9	DCM_ECOLI				* POAED9
POAED9	DCM_ECOLI				* POAED9
POAED9	DCM_ECOLI				* POAED9
POAED9	DCM_ECOLI				* POAED9
POAED9	DCM_ECOLI				* POAED9
POAED9	DCM_ECOLI				* POAED9
POAED9	DCM_ECOLI				* POAED9
POAED9	DCM_ECOLI				* POAED9
POAED9	DCM_ECOLI				* POAED9
POAED9	DCM_ECOLI				* POAED9
POAED9	DCM_ECOLI				* POAED9
POAED9	DCM_ECOLI				* POAED9
POAED9	DCM_ECOLI				* POAED9
POAED9	DCM_ECOLI				* POAED9
POAED9	DCM_ECOLI				* POAED9
P24171	DCP_ECOLI				* P24171
P24171	DCP_ECOLI				* P24171
P24171	DCP_ECOLI				* P24171
POABN9	DCUB_ECOLI				none
POAEC8	DCUS_ECOLI	1	1	100.00%	* POAEC8

P0A9P6	DEAD_ECOLI				*	P0A9P6
P0A9P6	DEAD_ECOLI				*	P0A9P6
P0A9P6	DEAD_ECOLI				*	P0A9P6
P0A9P6	DEAD_ECOLI				*	P0A9P6
P0A6K3	DEF_ECOLI				*	P0A6K3
P0A6K3	DEF_ECOLI				*	P0A6K3
P0A6K3	DEF_ECOLI				*	P0A6K3
P0C0V0	DEGP_ECOLI	1	1	100.00%	*	P0C0V0
P0A6K6	DEOB_ECOLI				*	P0A6K6
P0A6K6	DEOB_ECOLI				*	P0A6K6
P0A6K6	DEOB_ECOLI				*	P0A6K6
P0A6K6	DEOB_ECOLI				*	P0A6K6
P0A6L0	DEOC_ECOLI				*	P0A6L0
P0A6L0	DEOC_ECOLI				*	P0A6L0
P0A6L0	DEOC_ECOLI				*	P0A6L0
P0ABP8	DEOD_ECOLI	0	1	0.00%	*	P0ABP8
P76015	DHAK_ECOLI				*	P76015
P76015	DHAK_ECOLI				*	P76015
P37349	DHAM_ECOLI					none
P76016	DHAR_ECOLI					none
P0A9Q9	DHAS_ECOLI	1	1	100.00%	*	P0A9Q9
P00393	DHNA_ECOLI				*	P00393
P00393	DHNA_ECOLI				*	P00393
P00393	DHNA_ECOLI				*	P00393
P00393	DHNA_ECOLI				*	P00393
P00393	DHNA_ECOLI				*	P00393
P00393	DHNA_ECOLI				*	P00393
P0AC13	DHPS_ECOLI					none
P0AC41	DHSA_ECOLI				*	P0AC41
P0AC41	DHSA_ECOLI				*	P0AC41
P0AC41	DHSA_ECOLI				*	P0AC41
P0AC41	DHSA_ECOLI				*	P0AC41
P0AC41	DHSA_ECOLI				*	P0AC41

P0A6Q3	FABA_ECOLI	* P0A6Q3
P0A6Q3	FABA_ECOLI	* P0A6Q3
P0A953	FABB_ECOLI	* P0A953
P0A953	FABB_ECOLI	* P0A953
P0A953	FABB_ECOLI	* P0A953
P0A953	FABB_ECOLI	* P0A953
P0A953	FABB_ECOLI	* P0A953
P0A953	FABB_ECOLI	* P0A953
P0A953	FABB_ECOLI	* P0A953
P0AAI9	FABD_ECOLI	* P0AAI9
P0AAI9	FABD_ECOLI	* P0AAI9
P0AAI5	FABF_ECOLI	* P0AAI5
P0AAI5	FABF_ECOLI	* P0AAI5
P0AAI5	FABF_ECOLI	* P0AAI5
P0AAI5	FABF_ECOLI	* P0AAI5
P0AAI5	FABF_ECOLI	* P0AAI5
P0AEK2	FABG_ECOLI	* P0AEK2
P0AEK2	FABG_ECOLI	* P0AEK2
P0AEK2	FABG_ECOLI	* P0AEK2
P0AEK2	FABG_ECOLI	* P0AEK2
P0A6R0	FABH_ECOLI	* P0A6R0
P0A6R0	FABH_ECOLI	* P0A6R0
P0A6R0	FABH_ECOLI	* P0A6R0
P0AEK4	FABI_ECOLI	* P0AEK4
P0AEK4	FABI_ECOLI	* P0AEK4
P0AEK4	FABI_ECOLI	* P0AEK4
P0AEK4	FABI_ECOLI	* P0AEK4
P0AEK4	FABI_ECOLI	* P0AEK4
P0AEK4	FABI_ECOLI	* P0AEK4
P0AEK4	FABI_ECOLI	* P0AEK4
P0AEK4	FABI_ECOLI	* P0AEK4
P0ACU5	FABR_ECOLI	none
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6

P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P0A6Q6	FABZ_ECOLI	* P0A6Q6
P25401	FAEE_ECOLX	none
P23774	FAPR_ECOLX	none
P13024	FDHE_ECOLI	* P13024
P13024	FDHE_ECOLI	* P13024
P13024	FDHE_ECOLI	* P13024
P13024	FDHE_ECOLI	* P13024
P13024	FDHE_ECOLI	* P13024
P13024	FDHE_ECOLI	* P13024
P13024	FDHE_ECOLI	* P13024
P13024	FDHE_ECOLI	* P13024
P13024	FDHE_ECOLI	* P13024
P13024	FDHE_ECOLI	* P13024
P13024	FDHE_ECOLI	* P13024
P13024	FDHE_ECOLI	* P13024
P13024	FDHE_ECOLI	* P13024
P13024	FDHE_ECOLI	* P13024
P13024	FDHE_ECOLI	* P13024
P13024	FDHE_ECOLI	* P13024
P13024	FDHE_ECOLI	* P13024
P13024	FDHE_ECOLI	* P13024
P13024	FDHE_ECOLI	* P13024
P24183	FDNG_ECOLI	* P24183
P24183	FDNG_ECOLI	* P24183

P24183	FDNG_ECOLI	* P24183
P24183	FDNG_ECOLI	* P24183
P24183	FDNG_ECOLI	* P24183
P24183	FDNG_ECOLI	* P24183
P24183	FDNG_ECOLI	* P24183
P32176	FDOG_ECOLI	* P32176
P32176	FDOG_ECOLI	* P32176
P32176	FDOG_ECOLI	* P32176
P32176	FDOG_ECOLI	* P32176
P32176	FDOG_ECOLI	* P32176
P15029	FECD_ECOLI	none
P23877	FEPG_ECOLI	none
P0A9R4	FER_ECOLI	* P0A9R4
P0A9R4	FER_ECOLI	* P0A9R4
P0A9R4	FER_ECOLI	* P0A9R4
P0A9R4	FER_ECOLI	* P0A9R4
P0A9R4	FER_ECOLI	* P0A9R4
P0A9R4	FER_ECOLI	* P0A9R4
P0A9R4	FER_ECOLI	* P0A9R4
P0A9R4	FER_ECOLI	* P0A9R4
Q47153	FHIA_ECOLI	* Q47153
Q47153	FHIA_ECOLI	* Q47153
P04128	FIMA1_ECOLI	none
P31697	FIMC_ECOLI	* P31697
P31697	FIMC_ECOLI	* P31697
P31697	FIMC_ECOLI	* P31697
P31697	FIMC_ECOLI	* P31697
P31697	FIMC_ECOLI	* P31697
P31697	FIMC_ECOLI	* P31697
P31697	FIMC_ECOLI	* P31697
P31697	FIMC_ECOLI	* P31697
P31697	FIMC_ECOLI	* P31697
P31697	FIMC_ECOLI	* P31697
P31697	FIMC_ECOLI	* P31697
P31697	FIMC_ECOLI	* P31697
P31697	FIMC_ECOLI	* P31697
P31697	FIMC_ECOLI	* P31697
P08189	FIMF_ECOLI	none

P08190	FIMG_ECOLI	none
P08191	FIMH_ECOLI	none
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P0A6R3	FIS_ECOLI	* P0A6R3
P45523	FKBA_ECOLI	* P45523
P45523	FKBA_ECOLI	* P45523
P45523	FKBA_ECOLI	* P45523
P45523	FKBA_ECOLI	* P45523
P45523	FKBA_ECOLI	* P45523
P45523	FKBA_ECOLI	* P45523
P45523	FKBA_ECOLI	* P45523
P45523	FKBA_ECOLI	* P45523
P45523	FKBA_ECOLI	* P45523
P45523	FKBA_ECOLI	* P45523
P45523	FKBA_ECOLI	* P45523
P45523	FKBA_ECOLI	* P45523
P45523	FKBA_ECOLI	* P45523
P45523	FKBA_ECOLI	* P45523
P0A9L3	FKBB_ECOLI	* P0A9L3
P0A9L3	FKBB_ECOLI	* P0A9L3
P0A9L3	FKBB_ECOLI	* P0A9L3
P0A9L3	FKBB_ECOLI	* P0A9L3

P61949	FLAV_ECOLI	* P61949
P61949	FLAV_ECOLI	* P61949
P61949	FLAV_ECOLI	* P61949
P61949	FLAV_ECOLI	* P61949
P61949	FLAV_ECOLI	* P61949
P61949	FLAV_ECOLI	* P61949
P61949	FLAV_ECOLI	* P61949
P61949	FLAV_ECOLI	* P61949
P61949	FLAV_ECOLI	* P61949
P61949	FLAV_ECOLI	* P61949
P61949	FLAV_ECOLI	* P61949
P61949	FLAV_ECOLI	* P61949
P61949	FLAV_ECOLI	* P61949
P61949	FLAV_ECOLI	* P61949
P61949	FLAV_ECOLI	* P61949
P61949	FLAV_ECOLI	* P61949
P61949	FLAV_ECOLI	* P61949
P75933	FLGA_ECOLI	none
P04949	FLIC_ECOLI	* P04949
P04949	FLIC_ECOLI	* P04949
P04949	FLIC_ECOLI	* P04949
P04949	FLIC_ECOLI	* P04949
P04949	FLIC_ECOLI	* P04949
P04949	FLIC_ECOLI	* P04949
P15070	FLIN_ECOLI	* P15070
P15070	FLIN_ECOLI	* P15070
P15070	FLIN_ECOLI	* P15070
P0ABY2	FLIT_ECOLI	* P0ABY2
P0ABY2	FLIT_ECOLI	* P0ABY2
P0ABY2	FLIT_ECOLI	* P0ABY2
P0ABY2	FLIT_ECOLI	* P0ABY2
P0ABY2	FLIT_ECOLI	* P0ABY2
P0ABY2	FLIT_ECOLI	* P0ABY2
P0ABY2	FLIT_ECOLI	* P0ABY2
P0ABY2	FLIT_ECOLI	* P0ABY2
P23882	FMT_ECOLI	* P23882
P23882	FMT_ECOLI	* P23882
P23882	FMT_ECOLI	* P23882
P23882	FMT_ECOLI	* P23882

P23882	FMT_ECOLI				*	P23882
P23882	FMT_ECOLI				*	P23882
P23882	FMT_ECOLI				*	P23882
P23882	FMT_ECOLI				*	P23882
P23882	FMT_ECOLI				*	P23882
P23882	FMT_ECOLI				*	P23882
P23882	FMT_ECOLI				*	P23882
P0A9E5	FNR_ECOLI				*	P0A9E5
P0A9E5	FNR_ECOLI				*	P0A9E5
P0A9E5	FNR_ECOLI				*	P0A9E5
P0A9E5	FNR_ECOLI				*	P0A9E5
P0AC16	FOLB_ECOLI	0	1	0.00%	*	P0AC16
P0AC19	FOLX_ECOLI	1	1	100.00%	*	P0AC19
P00363	FRDA_ECOLI				*	P00363
P00363	FRDA_ECOLI				*	P00363
P00363	FRDA_ECOLI				*	P00363
P00363	FRDA_ECOLI				*	P00363
P00363	FRDA_ECOLI				*	P00363
P00363	FRDA_ECOLI				*	P00363
P00363	FRDA_ECOLI				*	P00363
P00363	FRDA_ECOLI				*	P00363
P00363	FRDA_ECOLI				*	P00363
P00363	FRDA_ECOLI				*	P00363
P00363	FRDA_ECOLI				*	P00363
P00363	FRDA_ECOLI				*	P00363
P00363	FRDA_ECOLI				*	P00363
P00363	FRDA_ECOLI				*	P00363
P00363	FRDA_ECOLI				*	P00363
P00363	FRDA_ECOLI				*	P00363
P00363	FRDA_ECOLI				*	P00363
P00363	FRDA_ECOLI				*	P00363
P00363	FRDA_ECOLI				*	P00363
P0AC47	FRDB_ECOLI	1	1	100.00%	*	P0AC47
P0AEN1	FRE_ECOLI				*	P0AEN1
P0AEN1	FRE_ECOLI				*	P0AEN1
P0AEN1	FRE_ECOLI				*	P0AEN1
P0AEN1	FRE_ECOLI				*	P0AEN1
P0AEN1	FRE_ECOLI				*	P0AEN1

P0A9A6	FTSZ_ECOLI					* P0A9A6
P0A9A6	FTSZ_ECOLI					* P0A9A6
P0A9A6	FTSZ_ECOLI					* P0A9A6
P0A9A6	FTSZ_ECOLI					* P0A9A6
P0A9A6	FTSZ_ECOLI					* P0A9A6
P0AEN8	FUCM_ECOLI					* P0AEN8
P0AEN8	FUCM_ECOLI					* P0AEN8
P0AEN8	FUCM_ECOLI					* P0AEN8
P0AEN8	FUCM_ECOLI					* P0AEN8
P0AC33	FUMA_ECOLI					* P0AC33
P0AC33	FUMA_ECOLI					* P0AC33
P14407	FUMB_ECOLI					* P14407
P14407	FUMB_ECOLI					* P14407
P0A9A9	FUR_ECOLI	1	1	100.00%		* P0A9A9
P37147	FXSA_ECOLI					* P37147
P37147	FXSA_ECOLI					* P37147
P37147	FXSA_ECOLI					* P37147
P0A9B2	G3P1_ECOLI					* P0A9B2
P0A9B2	G3P1_ECOLI					* P0A9B2
P0A9B2	G3P1_ECOLI					* P0A9B2
P0A9B2	G3P1_ECOLI					* P0A9B2
P0A9B2	G3P1_ECOLI					* P0A9B2
P0A9B2	G3P1_ECOLI					* P0A9B2
P0A9B2	G3P1_ECOLI					* P0A9B2
P0A9B2	G3P1_ECOLI					* P0A9B2
P0A9B2	G3P1_ECOLI					* P0A9B2
P0AC53	G6PD_ECOLI					* P0AC53
P0AC53	G6PD_ECOLI					* P0AC53
P0AC53	G6PD_ECOLI					* P0AC53
P0AC53	G6PD_ECOLI					* P0AC53
P0A6T1	G6PI_ECOLI					none
P63235	GADC_ECOLI					none
P37639	GADX_ECOLI					* P37639
P37639	GADX_ECOLI					* P37639

P09147	GALE_ECOLI	* P09147
P09147	GALE_ECOLI	* P09147
P09147	GALE_ECOLI	* P09147
P0AAB6	GALF_ECOLI	* P0AAB6
P0AAB6	GALF_ECOLI	* P0AAB6
P0AAB6	GALF_ECOLI	* P0AAB6
P0AAB6	GALF_ECOLI	* P0AAB6
P0AAB6	GALF_ECOLI	* P0AAB6
P0AAB6	GALF_ECOLI	* P0AAB6
P0AAB6	GALF_ECOLI	* P0AAB6
P0AAB6	GALF_ECOLI	* P0AAB6
P0A9C3	GALM_ECOLI	* P0A9C3
P0A9C3	GALM_ECOLI	* P0A9C3
P0A9C3	GALM_ECOLI	* P0A9C3
P03024	GALR_ECOLI	none
P0AEP3	GALU_ECOLI	none
P0A9S3	GATD_ECOLI	* P0A9S3
P0A9S3	GATD_ECOLI	* P0A9S3
P0A9S3	GATD_ECOLI	* P0A9S3
P0A9S3	GATD_ECOLI	* P0A9S3
P0A9S3	GATD_ECOLI	* P0A9S3
P0A9S3	GATD_ECOLI	* P0A9S3
P0A9S3	GATD_ECOLI	* P0A9S3
P0A9S3	GATD_ECOLI	* P0A9S3
P0A9S3	GATD_ECOLI	* P0A9S3
P0A9S3	GATD_ECOLI	* P0A9S3
P0A9S3	GATD_ECOLI	* P0A9S3
P0A9S3	GATD_ECOLI	* P0A9S3
P0A9S3	GATD_ECOLI	* P0A9S3
P0A9S3	GATD_ECOLI	* P0A9S3
P0C8J6	GATY_ECOLI	* P0C8J6
P0C8J6	GATY_ECOLI	* P0C8J6
P0C8J6	GATY_ECOLI	* P0C8J6
P0C8J6	GATY_ECOLI	* P0C8J6
P0C8J6	GATY_ECOLI	* P0C8J6
P0C8J6	GATY_ECOLI	* P0C8J6
P0C8J8	GATZ_ECOLI	* P0C8J8

POC8J8	GATZ_ECOLI	* POC8J8
POC8J8	GATZ_ECOLI	* POC8J8
POC8J9	GATZ_ECOLX	none
P33195	GCSP_ECOLI	* P33195
P33195	GCSP_ECOLI	* P33195
P33195	GCSP_ECOLI	* P33195
P33195	GCSP_ECOLI	* P33195
P33195	GCSP_ECOLI	* P33195
P33195	GCSP_ECOLI	* P33195
P33195	GCSP_ECOLI	* P33195
P33195	GCSP_ECOLI	* P33195
P33195	GCSP_ECOLI	* P33195
P27248	GCST_ECOLI	* P27248
P27248	GCST_ECOLI	* P27248
P27248	GCST_ECOLI	* P27248
P27248	GCST_ECOLI	* P27248
P27248	GCST_ECOLI	* P27248
P27248	GCST_ECOLI	* P27248
P75913	GHRA_ECOLI	none
P0A9S5	GLDA_ECOLI	none
P37747	GLF_ECOLI	* P37747
P37747	GLF_ECOLI	* P37747
P37747	GLF_ECOLI	* P37747
P0A6V8	GLK_ECOLI	* P0A6V8
P0A6V8	GLK_ECOLI	* P0A6V8
P0A6V8	GLK_ECOLI	* P0A6V8
P17169	GLMS_ECOLI	* P17169
P17169	GLMS_ECOLI	* P17169
P17169	GLMS_ECOLI	* P17169
P17169	GLMS_ECOLI	* P17169
P17169	GLMS_ECOLI	* P17169
P17169	GLMS_ECOLI	* P17169
P17169	GLMS_ECOLI	* P17169
P0A9C5	GLNA_ECOLI	* P0A9C5
P0A9C5	GLNA_ECOLI	* P0A9C5
P0A9C5	GLNA_ECOLI	* P0A9C5

P0AC69	GLRX4_ECOLI	* P0AC69
P0AC69	GLRX4_ECOLI	* P0AC69
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P0AC69	GLRX4_ECOLI	* P0AC69
P77454	GLSA1_ECOLI	* P77454
P77454	GLSA1_ECOLI	* P77454
P09831	GLTB_ECOLI	none
P09832	GLTD_ECOLI	* P09832
P09832	GLTD_ECOLI	* P09832
P0A825	GLYA_ECOLI	* P0A825
P0A825	GLYA_ECOLI	* P0A825
P0A825	GLYA_ECOLI	* P0A825
P0A825	GLYA_ECOLI	* P0A825
P63224	GMHA_ECOLI	none
P63228	GMHB_ECOLI	* P63228
P63228	GMHB_ECOLI	* P63228
P63228	GMHB_ECOLI	* P63228
P63228	GMHB_ECOLI	* P63228
P63228	GMHB_ECOLI	* P63228
P0AC92	GNSA_ECOLI	* P0AC92
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P0AC92	GNSA_ECOLI	* P0AC92
P77695	GNSB_ECOLI	none
P0ACP5	GNTR_ECOLI	none
P46846	GNTX_ECOLI	none
P0A6S7	GPDA_ECOLI	* P0A6S7
P0A6S7	GPDA_ECOLI	* P0A6S7
P0A6S7	GPDA_ECOLI	* P0A6S7
P0A6S7	GPDA_ECOLI	* P0A6S7
P0A6S7	GPDA_ECOLI	* P0A6S7

POAES4	GYRA_ECOLI	* POAES4
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POAES6	GYRB_ECOLI	* POAES6
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P33012	GYRI_ECOLI	none
P31658	HCHA_ECOLI	* P31658

P31658	HCHA_ECOLI	*	P31658
P31658	HCHA_ECOLI	*	P31658
P75824	HCR_ECOLI		none
P0AES9	HDEA_ECOLI		none
P0AET2	HDEB_ECOLI		none
P0A8R9	HDFR_ECOLI		none
P0AET8	HDHA_ECOLI	*	P0AET8
P0AET8	HDHA_ECOLI	*	P0AET8
P0AET8	HDHA_ECOLI	*	P0AET8
P15038	HELD_ECOLI	*	P15038
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P15038	HELD_ECOLI	*	P15038
P0ACB2	HEM2_ECOLI	*	P0ACB2
P0ACB2	HEM2_ECOLI	*	P0ACB2
P0ACB2	HEM2_ECOLI	*	P0ACB2
P0ABC3	HFLC_ECOLI	*	P0ABC3

P0ACF8	HNS_ECOLI	* P0ACF8
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Q57160	HPAB_ECOLX	none
Q46978	HPAG_ECOLX	none
P37352	HPCE_ECOLX	none
Q47098	HPCH_ECOLX	none
P0A9M2	HPRT_ECOLI	none
P43329	HRPA_ECOLI	* P43329
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P0A6Z3	HTPG_ECOLI	* P0A6Z3
P37180	HYBB_ECOLI	none
P37182	HYBD_ECOLI	* P37182
P37182	HYBD_ECOLI	* P37182
P37182	HYBD_ECOLI	* P37182
P37182	HYBD_ECOLI	* P37182
P0AEV4	HYCA_ECOLI	none
P0AAK1	HYCB_ECOLI	none
P77423	HYFH_ECOLI	none
P30131	HYPF_ECOLI	none
P39377	IADA_ECOLI	* P39377
P39377	IADA_ECOLI	* P39377

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Q46893 ISPD_ECOLI

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P04951	KDSB_ECOLI	* P04951
P04951	KDSB_ECOLI	* P04951
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P04951	KDSB_ECOLI	* P04951
P04951	KDSB_ECOLI	* P04951
P04951	KDSB_ECOLI	* P04951
P0ABZ4	KDSC_ECOLI	* P0ABZ4
P0ABZ4	KDSC_ECOLI	* P0ABZ4
P77338	KEFA_ECOLI	none
P60546	KGUA_ECOLI	* P60546
P60546	KGUA_ECOLI	* P60546
P60546	KGUA_ECOLI	* P60546
P60546	KGUA_ECOLI	* P60546
P60546	KGUA_ECOLI	* P60546
P00547	KHSE_ECOLI	* P00547
P00547	KHSE_ECOLI	* P00547
Q52328	KLAB_ECOLX	none
Q52313	KORB1_ECOLX	none
P0A717	KPRS_ECOLI	* P0A717
P0A717	KPRS_ECOLI	* P0A717
P0AD61	KPYK1_ECOLI	* P0AD61
P0AD61	KPYK1_ECOLI	* P0AD61
P0AD61	KPYK1_ECOLI	* P0AD61
P0AD61	KPYK1_ECOLI	* P0AD61
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P0AD61	KPYK1_ECOLI	* P0AD61
P0AD61	KPYK1_ECOLI	* P0AD61
P0AD61	KPYK1_ECOLI	* P0AD61
P21599	KPYK2_ECOLI	* P21599

P33232	LLDD_ECOLI	* P33232
P33232	LLDD_ECOLI	* P33232
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P33232	LLDD_ECOLI	* P33232
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P0A9M0	LON_ECOLI	* P0A9M0
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P0A9M0	LON_ECOLI	* P0A9M0
P0A9M0	LON_ECOLI	* P0A9M0
P75867	LONH_ECOLI	none
P69776	LPP_ECOLI	* P69776
P69776	LPP_ECOLI	* P69776
P0A722	LPXA_ECOLI	* P0A722
P0A722	LPXA_ECOLI	* P0A722
P0A722	LPXA_ECOLI	* P0A722
P0A722	LPXA_ECOLI	* P0A722
P0A722	LPXA_ECOLI	* P0A722

P21645	LPXD_ECOLI				*	P21645
P21645	LPXD_ECOLI				*	P21645
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P21645	LPXD_ECOLI				*	P21645
P0ACJ0	LRP_ECOLI				*	P0ACJ0
P0ACJ0	LRP_ECOLI				*	P0ACJ0
P75823	LTAE_ECOLI	1	1	100.00%	*	P75823
P45578	LUXS_ECOLI				*	P45578
P45578	LUXS_ECOLI				*	P45578
P45578	LUXS_ECOLI				*	P45578
P78285	LYSD_ECOLI	1	1	100.00%	*	P78285
P03030	LYSR_ECOLI	0	1	0.00%	*	P03030
P0AEX9	MALE_ECOLI					none
P68187	MALK_ECOLI					none
P15977	MALQ_ECOLI					none

P06993	MALT_ECOLI				*	P06993
P06993	MALT_ECOLI				*	P06993
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P00946	MANA_ECOLI				*	P00946
P0AAY1	MARC_ECOLI					none
P08997	MASY_ECOLI	0	1	0.00%	*	P08997
P37330	MASZ_ECOLI	1	1	100.00%	*	P37330
P0ACD8	MBHL_ECOLI					none
P69739	MBHS_ECOLI					none
P0AEY5	MDAB_ECOLI				*	P0AEY5
P0AEY5	MDAB_ECOLI				*	P0AEY5

P0A817	METK_ECOLI				* P0A817
P0A817	METK_ECOLI				* P0A817
P0A817	METK_ECOLI				* P0A817
P0A817	METK_ECOLI				* P0A817
P0A817	METK_ECOLI				* P0A817
P28635	METQ_ECOLI	1	1	100.00%	* P28635
P30958	MFD_ECOLI				* P30958
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P0AEI1	MIAB_ECOLI				* P0AEI1
P18196	MINC_ECOLI				* P18196
P18196	MINC_ECOLI				* P18196
P18196	MINC_ECOLI				* P18196
P18196	MINC_ECOLI				* P18196
P18196	MINC_ECOLI				* P18196
P18196	MINC_ECOLI				* P18196
P18196	MINC_ECOLI				* P18196
P18196	MINC_ECOLI				* P18196
P18196	MINC_ECOLI				* P18196
P0AEZ3	MIND_ECOLI				none
P0A734	MINE_ECOLI				* P0A734
P0A734	MINE_ECOLI				* P0A734
P0A734	MINE_ECOLI				* P0A734

P0A734	MINE_ECOLI	* P0A734
P0A734	MINE_ECOLI	* P0A734
P0A734	MINE_ECOLI	* P0A734
P0ADV7	MLAC_ECOLI	* P0ADV7
P0ADV7	MLAC_ECOLI	* P0ADV7
P64604	MLAD_ECOLI	none
P64606	MLAE_ECOLI	none
Q47690	MMUM_ECOLI	* Q47690
Q47690	MMUM_ECOLI	* Q47690
P54746	MNGB_ECOLI	* P54746
P54746	MNGB_ECOLI	* P54746
P54746	MNGB_ECOLI	* P54746
P54746	MNGB_ECOLI	* P54746
P13669	MNGR_ECOLI	* P13669
P13669	MNGR_ECOLI	* P13669
P13669	MNGR_ECOLI	* P13669
P13669	MNGR_ECOLI	* P13669
P25745	MNMA_ECOLI	* P25745
P25745	MNMA_ECOLI	* P25745
P30745	MOAA_ECOLI	* P30745
P30745	MOAA_ECOLI	* P30745
P30745	MOAA_ECOLI	* P30745
P30745	MOAA_ECOLI	* P30745
P30745	MOAA_ECOLI	* P30745
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P30745	MOAA_ECOLI	* P30745
P30745	MOAA_ECOLI	* P30745
P30745	MOAA_ECOLI	* P30745
P0AEZ9	MOAB_ECOLI	* P0AEZ9
P0AEZ9	MOAB_ECOLI	* P0AEZ9
P08098	MOBA1_ECOLX	none

P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P0A9X4	MREB_ECOLI	* P0A9X4
P16926	MREC_ECOLI	none
P0AF08	MRP_ECOLI	* P0AF08
P0AF08	MRP_ECOLI	* P0AF08
P0AF08	MRP_ECOLI	* P0AF08
P0AF08	MRP_ECOLI	* P0AF08
P0AF08	MRP_ECOLI	* P0AF08
P24202	MRR_ECOLI	none

P22524	MUKE_ECOLI	* P22524
P22524	MUKE_ECOLI	* P22524
P22524	MUKE_ECOLI	* P22524
P22524	MUKE_ECOLI	* P22524
P22524	MUKE_ECOLI	* P22524
P22524	MUKE_ECOLI	* P22524
P22524	MUKE_ECOLI	* P22524
P22524	MUKE_ECOLI	* P22524
P22524	MUKE_ECOLI	* P22524
P22524	MUKE_ECOLI	* P22524
P0A749	MURA_ECOLI	* P0A749
P0A749	MURA_ECOLI	* P0A749
P0A749	MURA_ECOLI	* P0A749
P0A749	MURA_ECOLI	* P0A749
P0A749	MURA_ECOLI	* P0A749
P0A749	MURA_ECOLI	* P0A749
P0A749	MURA_ECOLI	* P0A749
P0A749	MURA_ECOLI	* P0A749
P0A749	MURA_ECOLI	* P0A749
P0A749	MURA_ECOLI	* P0A749
P0A749	MURA_ECOLI	* P0A749
P0A749	MURA_ECOLI	* P0A749
P0A749	MURA_ECOLI	* P0A749
P0A749	MURA_ECOLI	* P0A749
P0A749	MURA_ECOLI	* P0A749
P0A749	MURA_ECOLI	* P0A749
P0A749	MURA_ECOLI	* P0A749
P0A749	MURA_ECOLI	* P0A749
P23909	MUTS_ECOLI	* P23909
P23909	MUTS_ECOLI	* P23909
P23909	MUTS_ECOLI	* P23909
P23909	MUTS_ECOLI	* P23909
P23909	MUTS_ECOLI	* P23909
P08337	MUTT_ECOLI	none
P18843	NADE_ECOLI	* P18843
P18843	NADE_ECOLI	* P18843
P18843	NADE_ECOLI	* P18843

P0A780	NUSB_ECOLI	* P0A780
P0A780	NUSB_ECOLI	* P0A780
P0A780	NUSB_ECOLI	* P0A780
P0A780	NUSB_ECOLI	* P0A780
P0A780	NUSB_ECOLI	* P0A780
P0A780	NUSB_ECOLI	* P0A780
P0A780	NUSB_ECOLI	* P0A780
P0A780	NUSB_ECOLI	* P0A780
P0A780	NUSB_ECOLI	* P0A780
P0A780	NUSB_ECOLI	* P0A780
P0A780	NUSB_ECOLI	* P0A780
P0A780	NUSB_ECOLI	* P0A780
P0A780	NUSB_ECOLI	* P0A780
P0AFG3	ODO1_ECOLI	* P0AFG3
P0AFG3	ODO1_ECOLI	* P0AFG3
P0AFG3	ODO1_ECOLI	* P0AFG3
P0AFG3	ODO1_ECOLI	* P0AFG3
P0AFG3	ODO1_ECOLI	* P0AFG3
P0AFG6	ODO2_ECOLI	* P0AFG6
P0AFG6	ODO2_ECOLI	* P0AFG6
P0AFG6	ODO2_ECOLI	* P0AFG6
P0AFG6	ODO2_ECOLI	* P0AFG6
P0AFG6	ODO2_ECOLI	* P0AFG6
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P0AFG6	ODO2_ECOLI	* P0AFG6
P0AFG6	ODO2_ECOLI	* P0AFG6
P0AFG8	ODP1_ECOLI	none
P06959	ODP2_ECOLI	* P06959
P06959	ODP2_ECOLI	* P06959
P06959	ODP2_ECOLI	* P06959
P06959	ODP2_ECOLI	* P06959
P0A910	OMPA_ECOLI	* P0A910
P0A910	OMPA_ECOLI	* P0A910
P06996	OMPC_ECOLI	none
P0AA16	OMPR_ECOLI	* P0AA16
P0AA16	OMPR_ECOLI	* P0AA16

P0AA16	OMPR_ECOLI	* P0AA16
P0AA16	OMPR_ECOLI	* P0AA16
P09169	OMPT_ECOLI	none
P27298	OPDA_ECOLI	* P27298
P27298	OPDA_ECOLI	* P27298
P33136	OPGG_ECOLI	* P33136
P33136	OPGG_ECOLI	* P33136
P33136	OPGG_ECOLI	* P33136
P33136	OPGG_ECOLI	* P33136
P23843	OPPA_ECOLI	none
P0A784	ORN_ECOLI	none
POCOL2	OSMC_ECOLI	* POCOL2
POCOL2	OSMC_ECOLI	* POCOL2
POCOL2	OSMC_ECOLI	* POCOL2
POCOL2	OSMC_ECOLI	* POCOL2
POCOL2	OSMC_ECOLI	* POCOL2
POCOL2	OSMC_ECOLI	* POCOL2
POCOL2	OSMC_ECOLI	* POCOL2
POCOL2	OSMC_ECOLI	* POCOL2
POCOL2	OSMC_ECOLI	* POCOL2
P33362	OSMF_ECOLI	* P33362
P33362	OSMF_ECOLI	* P33362
P31677	OTSA_ECOLI	none
P0ACQ4	OXYR_ECOLI	none
P31663	PANC_ECOLI	* P31663
P31663	PANC_ECOLI	* P31663
P31663	PANC_ECOLI	* P31663
P31663	PANC_ECOLI	* P31663
P31663	PANC_ECOLI	* P31663
P31663	PANC_ECOLI	* P31663
P31663	PANC_ECOLI	* P31663
P31663	PANC_ECOLI	* P31663
P0AFI2	PARC_ECOLI	* P0AFI2
P0AFI2	PARC_ECOLI	* P0AFI2

P0AFI2	PARC_ECOLI	* P0AFI2
P0AFI2	PARC_ECOLI	* P0AFI2
P0AFI2	PARC_ECOLI	* P0AFI2
P0AFI2	PARC_ECOLI	* P0AFI2
P0AFI2	PARC_ECOLI	* P0AFI2
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P0AFI2	PARC_ECOLI	* P0AFI2
P0AFI2	PARC_ECOLI	* P0AFI2
P0AFI2	PARC_ECOLI	* P0AFI2
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P0AFI2	PARC_ECOLI	* P0AFI2
P0AFI2	PARC_ECOLI	* P0AFI2
P02919	PBPB_ECOLI	P02919-2
P02919	PBPB_ECOLI	P02919-2
P02919	PBPB_ECOLI	* P02919
P02919	PBPB_ECOLI	* P02919
P02919	PBPB_ECOLI	* P02919
P02919	PBPB_ECOLI	P02919-2
P02919	PBPB_ECOLI	P02919-2
P02919	PBPB_ECOLI	P02919-2
P22259	PCKA_ECOLI	* P22259
P22259	PCKA_ECOLI	* P22259
P22259	PCKA_ECOLI	* P22259
P0ABF1	PCNB_ECOLI	none
P0ACL9	PDHR_ECOLI	* P0ACL9
P0ACL9	PDHR_ECOLI	* P0ACL9
P0ACL9	PDHR_ECOLI	* P0ACL9
P0ACL9	PDHR_ECOLI	* P0ACL9
P0ACL9	PDHR_ECOLI	* P0ACL9
P0ACL9	PDHR_ECOLI	* P0ACL9
P19624	PDXA_ECOLI	none
P40191	PDXK_ECOLI	* P40191
P40191	PDXK_ECOLI	* P40191

P0A9K3	PHOL_ECOLI	* P0A9K3
P0A9K3	PHOL_ECOLI	* P0A9K3
P23836	PHOP_ECOLI	* P23836
P23836	PHOP_ECOLI	* P23836
P23836	PHOP_ECOLI	* P23836
P23836	PHOP_ECOLI	* P23836
P00490	PHSM_ECOLI	* P00490
P00490	PHSM_ECOLI	* P00490
P00490	PHSM_ECOLI	* P00490
P00490	PHSM_ECOLI	* P00490
P00490	PHSM_ECOLI	* P00490
P00490	PHSM_ECOLI	* P00490
P00490	PHSM_ECOLI	* P00490
P00490	PHSM_ECOLI	* P00490
P00490	PHSM_ECOLI	* P00490
P00490	PHSM_ECOLI	* P00490
P00490	PHSM_ECOLI	* P00490
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P00490	PHSM_ECOLI	* P00490
P00490	PHSM_ECOLI	* P00490
P00490	PHSM_ECOLI	* P00490
P00490	PHSM_ECOLI	* P00490
Q46806	PHYDA_ECOLI	* Q46806
Q46806	PHYDA_ECOLI	* Q46806
P0AFK0	PMBA_ECOLI	* P0AFK0
P0AFK0	PMBA_ECOLI	* P0AFK0
P0AFK0	PMBA_ECOLI	* P0AFK0
P0AFK0	PMBA_ECOLI	* P0AFK0
P0AFK0	PMBA_ECOLI	* P0AFK0
P37590	PMRD_ECOLI	* P37590
P37590	PMRD_ECOLI	* P37590
P37590	PMRD_ECOLI	* P37590
P37590	PMRD_ECOLI	* P37590
P37590	PMRD_ECOLI	* P37590
P37590	PMRD_ECOLI	* P37590
P37590	PMRD_ECOLI	* P37590
P37590	PMRD_ECOLI	* P37590
P05055	PNP_ECOLI	* P05055
P05055	PNP_ECOLI	* P05055

P05055	PNP_ECOLI	*	P05055
P05055	PNP_ECOLI	*	P05055
P05055	PNP_ECOLI	*	P05055
P05055	PNP_ECOLI	*	P05055
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P05055	PNP_ECOLI	*	P05055
P05055	PNP_ECOLI	*	P05055
P05055	PNP_ECOLI	*	P05055
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P05055	PNP_ECOLI	*	P05055
P05055	PNP_ECOLI	*	P05055
P05055	PNP_ECOLI	*	P05055
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P05055	PNP_ECOLI	*	P05055
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P05055	PNP_ECOLI	*	P05055
P05055	PNP_ECOLI	*	P05055
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P05055	PNP_ECOLI	*	P05055
P05055	PNP_ECOLI	*	P05055
P05055	PNP_ECOLI	*	P05055
P05055	PNP_ECOLI	*	P05055
P05055	PNP_ECOLI	*	P05055
P07001	PNTA_ECOLI		none
P0AFL1	POTI_ECOLI		none

P23869	PPIB_ECOLI				*	P23869
P23869	PPIB_ECOLI				*	P23869
P23869	PPIB_ECOLI				*	P23869
P23869	PPIB_ECOLI				*	P23869
P23869	PPIB_ECOLI				*	P23869
P23869	PPIB_ECOLI				*	P23869
P23869	PPIB_ECOLI				*	P23869
P23869	PPIB_ECOLI				*	P23869
P23869	PPIB_ECOLI				*	P23869
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P23869	PPIB_ECOLI				*	P23869
P23869	PPIB_ECOLI				*	P23869
P23869	PPIB_ECOLI				*	P23869
P0A7B1	PPK_ECOLI				*	P0A7B1
P0A7B1	PPK_ECOLI				*	P0A7B1
P0A7B1	PPK_ECOLI				*	P0A7B1
P0A7B1	PPK_ECOLI				*	P0A7B1
P0A7B1	PPK_ECOLI				*	P0A7B1
P0A7B1	PPK_ECOLI				*	P0A7B1
P0A7B1	PPK_ECOLI				*	P0A7B1
P23538	PPSA_ECOLI	1	1	100.00%	*	P23538
P23862	PRIC_ECOLI				*	P23862
P23862	PRIC_ECOLI				*	P23862
P23862	PRIC_ECOLI				*	P23862
P23862	PRIC_ECOLI				*	P23862
P23862	PRIC_ECOLI				*	P23862
P23862	PRIC_ECOLI				*	P23862
P23862	PRIC_ECOLI				*	P23862
P23862	PRIC_ECOLI				*	P23862
P23862	PRIC_ECOLI				*	P23862
P45577	PROQ_ECOLI					none
P77243	PRPD_ECOLI				*	P77243

P69407	RCSB_ECOLI				* P69407
P69407	RCSB_ECOLI				* P69407
P69407	RCSB_ECOLI				* P69407
P69407	RCSB_ECOLI				* P69407
P69407	RCSB_ECOLI				* P69407
P69407	RCSB_ECOLI				* P69407
P69407	RCSB_ECOLI				* P69407
P69407	RCSB_ECOLI				* P69407
P69407	RCSB_ECOLI				* P69407
P69407	RCSB_ECOLI				* P69407
P69407	RCSB_ECOLI				* P69407
P69407	RCSB_ECOLI				* P69407
P69407	RCSB_ECOLI				* P69407
P69407	RCSB_ECOLI	18	34	52.94%	* P69407
P52061	RDGB_ECOLI				* P52061
P52061	RDGB_ECOLI				* P52061
P52061	RDGB_ECOLI	2	3	66.67%	* P52061
P36767	RDGC_ECOLI	1	1	100.00%	* P36767
P0A7G6	RECA_ECOLI				* P0A7G6
P0A7G6	RECA_ECOLI				* P0A7G6
P0A7G6	RECA_ECOLI				* P0A7G6
P0A7G6	RECA_ECOLI				* P0A7G6
P0A7G6	RECA_ECOLI	3	5	60.00%	* P0A7G6
P0AG20	RELA_ECOLI				* P0AG20
P0AG20	RELA_ECOLI				* P0AG20
P0AG20	RELA_ECOLI				* P0AG20
P0AG20	RELA_ECOLI				* P0AG20
P0AG20	RELA_ECOLI				* P0AG20
P0AG20	RELA_ECOLI				* P0AG20
P0AG20	RELA_ECOLI				* P0AG20
P0AG20	RELA_ECOLI				* P0AG20
P0AG20	RELA_ECOLI				* P0AG20
P0AG20	RELA_ECOLI				* P0AG20
P0AG20	RELA_ECOLI				* P0AG20
P0AG20	RELA_ECOLI				* P0AG20
P0AG20	RELA_ECOLI	9	13	69.23%	* P0AG20
P09980	REP_ECOLI				none
P05833	REPA_ECOLX				none
P07012	RF2_ECOLI				* P07012

P07012	RF2_ECOLI				* P07012
P07012	RF2_ECOLI				* P07012
P07012	RF2_ECOLI				* P07012
P07012	RF2_ECOLI				* P07012
P07012	RF2_ECOLI				* P07012
P07012	RF2_ECOLI				* P07012
P07012	RF2_ECOLI				* P07012
P07012	RF2_ECOLI				* P07012
P07012	RF2_ECOLI				* P07012
P07012	RF2_ECOLI				* P07012
P07012	RF2_ECOLI	4	12	33.33%	* P07012
P0A7I4	RF3_ECOLI				* P0A7I4
P0A7I4	RF3_ECOLI				* P0A7I4
P0A7I4	RF3_ECOLI	3	3	100.00%	* P0A7I4
P27127	RFAB_ECOLI	1	1	100.00%	* P27127
P37692	RFAF_ECOLI				* P37692
P37692	RFAF_ECOLI				* P37692
P37692	RFAF_ECOLI				* P37692
P37692	RFAF_ECOLI				* P37692
P37692	RFAF_ECOLI				* P37692
P37692	RFAF_ECOLI				* P37692
P37692	RFAF_ECOLI				* P37692
P37692	RFAF_ECOLI				* P37692
P37692	RFAF_ECOLI				* P37692
P37692	RFAF_ECOLI	9	10	90.00%	* P37692
P25740	RFAG_ECOLI				* P25740
P25740	RFAG_ECOLI				* P25740
P25740	RFAG_ECOLI				* P25740
P25740	RFAG_ECOLI				* P25740
P25740	RFAG_ECOLI				* P25740
P25740	RFAG_ECOLI	3	6	50.00%	* P25740
P25741	RFAP_ECOLI				* P25741
P25741	RFAP_ECOLI				* P25741
P25741	RFAP_ECOLI				* P25741
P25741	RFAP_ECOLI				* P25741
P25741	RFAP_ECOLI	4	5	80.00%	* P25741
P37755	RFBK9_ECOLX				none
P0A8J8	RHLB_ECOLI				* P0A8J8

POAEI4	RIMO_ECOLI				* POAEI4
POAEI4	RIMO_ECOLI	12	17	70.59%	* POAEI4
POA8A8	RIMP_ECOLI				* POA8A8
POA8A8	RIMP_ECOLI				* POA8A8
POA8A8	RIMP_ECOLI	2	3	66.67%	* POA8A8
POAFU8	RISA_ECOLI				* POAFU8
POAFU8	RISA_ECOLI				* POAFU8
POAFU8	RISA_ECOLI	1	3	33.33%	* POAFU8
POA7L0	RL1_ECOLI				none
POA7J3	RL10_ECOLI				* POA7J3
POA7J3	RL10_ECOLI	2	2	100.00%	* POA7J3
POA7J7	RL11_ECOLI				* POA7J7
POA7J7	RL11_ECOLI				* POA7J7
POA7J7	RL11_ECOLI				* POA7J7
POA7J7	RL11_ECOLI				* POA7J7
POA7J7	RL11_ECOLI				* POA7J7
POA7J7	RL11_ECOLI	2	6	33.33%	* POA7J7
POAA10	RL13_ECOLI				* POAA10
POAA10	RL13_ECOLI	0	2	0.00%	* POAA10
POADY3	RL14_ECOLI				none
P02413	RL15_ECOLI				* P02413
P02413	RL15_ECOLI	0	2	0.00%	* P02413
POADY7	RL16_ECOLI				none
POAG44	RL17_ECOLI				* POAG44
POAG44	RL17_ECOLI				* POAG44
POAG44	RL17_ECOLI				* POAG44
POAG44	RL17_ECOLI	2	4	50.00%	* POAG44
POC018	RL18_ECOLI				* POC018
POC018	RL18_ECOLI				* POC018
POC018	RL18_ECOLI	1	3	33.33%	* POC018
POA7K6	RL19_ECOLI	0	1	0.00%	* POA7K6
P60422	RL2_ECOLI				* P60422

P60422	RL2_ECOLI				* P60422
P60422	RL2_ECOLI				* P60422
P60422	RL2_ECOLI				* P60422
P60422	RL2_ECOLI	2	5	40.00%	* P60422
P0A7L3	RL20_ECOLI				none
P0AG48	RL21_ECOLI				none
P61175	RL22_ECOLI				* P61175
P61175	RL22_ECOLI				* P61175
P61175	RL22_ECOLI	0	3	0.00%	* P61175
P0ADZ0	RL23_ECOLI	1	1	100.00%	* P0ADZ0
P60624	RL24_ECOLI	0	1	0.00%	* P60624
P68919	RL25_ECOLI	1	1	100.00%	* P68919
P0A7L8	RL27_ECOLI				* P0A7L8
P0A7L8	RL27_ECOLI				* P0A7L8
P0A7L8	RL27_ECOLI				* P0A7L8
P0A7L8	RL27_ECOLI	2	4	50.00%	* P0A7L8
P0A7M2	RL28_ECOLI				none
P60438	RL3_ECOLI				* P60438
P60438	RL3_ECOLI				* P60438
P60438	RL3_ECOLI				* P60438
P60438	RL3_ECOLI				* P60438
P60438	RL3_ECOLI				* P60438
P60438	RL3_ECOLI				* P60438
P60438	RL3_ECOLI	2	7	28.57%	* P60438
P0AG51	RL30_ECOLI				none
P0A7N4	RL32_ECOLI				none
P0A7N9	RL33_ECOLI				* P0A7N9
P0A7N9	RL33_ECOLI				* P0A7N9
P0A7N9	RL33_ECOLI				* P0A7N9
P0A7N9	RL33_ECOLI	1	4	25.00%	* P0A7N9
P0A7Q1	RL35_ECOLI				none

P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI				* P0AA39
P0AA39	RLUC_ECOLI	86	93	92.47%	* P0AA39
P0AFW2	RMF_ECOLI				none
P37744	RMLA1_ECOLI				* P37744
P37744	RMLA1_ECOLI				* P37744
P37744	RMLA1_ECOLI				* P37744
P37744	RMLA1_ECOLI				* P37744
P37744	RMLA1_ECOLI	2	5	40.00%	* P37744
P55253	RMLA3_ECOLX				none
P37759	RMLB1_ECOLI				* P37759
P37759	RMLB1_ECOLI				* P37759
P37759	RMLB1_ECOLI	1	3	33.33%	* P37759

P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI				*	P0A7Z4
P0A7Z4	RPOA_ECOLI	67	76	88.16%	*	P0A7Z4
P0A8V2	RPOB_ECOLI				*	P0A8V2
P0A8V2	RPOB_ECOLI				*	P0A8V2
P0A8V2	RPOB_ECOLI				*	P0A8V2
P0A8V2	RPOB_ECOLI				*	P0A8V2

POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI				* POA776
POA776	RPPH_ECOLI	68	73	93.15%	* POA776
POA8R0	RRAA_ECOLI				* POA8R0
POA8R0	RRAA_ECOLI				* POA8R0
POA8R0	RRAA_ECOLI				* POA8R0
POA8R0	RRAA_ECOLI				* POA8R0
POA8R0	RRAA_ECOLI				* POA8R0
POA8R0	RRAA_ECOLI				* POA8R0
POA8R0	RRAA_ECOLI				* POA8R0
POA8R0	RRAA_ECOLI				* POA8R0
POA8R0	RRAA_ECOLI	4	8	50.00%	* POA8R0
POA805	RRF_ECOLI				* POA805
POA805	RRF_ECOLI				* POA805
POA805	RRF_ECOLI	1	3	33.33%	* POA805
POAG67	RS1_ECOLI				* POAG67
POAG67	RS1_ECOLI				* POAG67
POAG67	RS1_ECOLI				* POAG67
POAG67	RS1_ECOLI				* POAG67

P0AG67	RS1_ECOLI				* P0AG67
P0AG67	RS1_ECOLI	2	6	33.33%	* P0AG67
P0A7R5	RS10_ECOLI				* P0A7R5
P0A7R5	RS10_ECOLI				* P0A7R5
P0A7R5	RS10_ECOLI	3	3	100.00%	* P0A7R5
P0A7R9	RS11_ECOLI				none
P0A7S3	RS12_ECOLI				* P0A7S3
P0A7S3	RS12_ECOLI				* P0A7S3
P0A7S3	RS12_ECOLI				* P0A7S3
P0A7S3	RS12_ECOLI				* P0A7S3
P0A7S3	RS12_ECOLI	2	5	40.00%	* P0A7S3
P0A7S9	RS13_ECOLI	0	1	0.00%	* P0A7S9
P0AG59	RS14_ECOLI				* P0AG59
P0AG59	RS14_ECOLI				* P0AG59
P0AG59	RS14_ECOLI				* P0AG59
P0AG59	RS14_ECOLI	1	4	25.00%	* P0AG59
P0ADZ4	RS15_ECOLI				* P0ADZ4
P0ADZ4	RS15_ECOLI				* P0ADZ4
P0ADZ4	RS15_ECOLI				* P0ADZ4
P0ADZ4	RS15_ECOLI				* P0ADZ4
P0ADZ4	RS15_ECOLI				* P0ADZ4
P0ADZ4	RS15_ECOLI	3	6	50.00%	* P0ADZ4
P0A7T3	RS16_ECOLI				* P0A7T3
P0A7T3	RS16_ECOLI				* P0A7T3
P0A7T3	RS16_ECOLI				* P0A7T3
P0A7T3	RS16_ECOLI	2	4	50.00%	* P0A7T3
P0AG63	RS17_ECOLI				none
P0A7T7	RS18_ECOLI				* P0A7T7
P0A7T7	RS18_ECOLI	0	2	0.00%	* P0A7T7
P0A7U3	RS19_ECOLI				* P0A7U3
P0A7U3	RS19_ECOLI				* P0A7U3
P0A7U3	RS19_ECOLI	0	3	0.00%	* P0A7U3
P0A7V0	RS2_ECOLI				* P0A7V0
P0A7V0	RS2_ECOLI				* P0A7V0

P0A7V0	RS2_ECOLI	3	3	100.00%	* P0A7V0
P0A7U7	RS20_ECOLI				none
P68679	RS21_ECOLI				none
P0A7V3	RS3_ECOLI	0	1	0.00%	* P0A7V3
P0A7V8	RS4_ECOLI				* P0A7V8
P0A7V8	RS4_ECOLI				* P0A7V8
P0A7V8	RS4_ECOLI				* P0A7V8
P0A7V8	RS4_ECOLI				* P0A7V8
P0A7V8	RS4_ECOLI				* P0A7V8
P0A7V8	RS4_ECOLI				* P0A7V8
P0A7V8	RS4_ECOLI				* P0A7V8
P0A7V8	RS4_ECOLI				* P0A7V8
P0A7V8	RS4_ECOLI				* P0A7V8
P0A7V8	RS4_ECOLI	1	10	10.00%	* P0A7V8
P0A7W1	RS5_ECOLI				* P0A7W1
P0A7W1	RS5_ECOLI				* P0A7W1
P0A7W1	RS5_ECOLI				* P0A7W1
P0A7W1	RS5_ECOLI				* P0A7W1
P0A7W1	RS5_ECOLI				* P0A7W1
P0A7W1	RS5_ECOLI				* P0A7W1
P0A7W1	RS5_ECOLI				* P0A7W1
P0A7W1	RS5_ECOLI	3	8	37.50%	* P0A7W1
P02358	RS6_ECOLI				* P02358
P02358	RS6_ECOLI				* P02358
P02358	RS6_ECOLI				* P02358
P02358	RS6_ECOLI				* P02358
P02358	RS6_ECOLI				* P02358
P02358	RS6_ECOLI	3	6	50.00%	* P02358
P02359	RS7_ECOLI	1	1	100.00%	* P02359
P0A7W7	RS8_ECOLI				* P0A7W7
P0A7W7	RS8_ECOLI				* P0A7W7
P0A7X3	RS9_ECOLI				* P0A7X3
P0A7X3	RS9_ECOLI				* P0A7X3
P0A7X3	RS9_ECOLI	0	3	0.00%	* P0A7X3
P06992	RSMA_ECOLI				* P06992

P06992	RSMA_ECOLI				*	P06992
P06992	RSMA_ECOLI	2	3	66.67%	*	P06992
P36929	RSMB_ECOLI				*	P36929
P36929	RSMB_ECOLI				*	P36929
P36929	RSMB_ECOLI				*	P36929
P36929	RSMB_ECOLI				*	P36929
P36929	RSMB_ECOLI				*	P36929
P36929	RSMB_ECOLI				*	P36929
P36929	RSMB_ECOLI				*	P36929
P36929	RSMB_ECOLI				*	P36929
P36929	RSMB_ECOLI				*	P36929
P36929	RSMB_ECOLI				*	P36929
P36929	RSMB_ECOLI	8	12	66.67%	*	P36929
P39406	RSMC_ECOLI				*	P39406
P39406	RSMC_ECOLI				*	P39406
P39406	RSMC_ECOLI				*	P39406
P39406	RSMC_ECOLI				*	P39406
P39406	RSMC_ECOLI				*	P39406
P39406	RSMC_ECOLI				*	P39406
P39406	RSMC_ECOLI				*	P39406
P39406	RSMC_ECOLI				*	P39406
P39406	RSMC_ECOLI				*	P39406
P39406	RSMC_ECOLI				*	P39406
P39406	RSMC_ECOLI	9	12	75.00%	*	P39406
P0ADX9	RSMD_ECOLI				*	P0ADX9
P0ADX9	RSMD_ECOLI				*	P0ADX9
P0ADX9	RSMD_ECOLI				*	P0ADX9
P0ADX9	RSMD_ECOLI				*	P0ADX9
P0ADX9	RSMD_ECOLI	3	5	60.00%	*	P0ADX9
P0AGL7	RSME_ECOLI				*	P0AGL7
P0AGL7	RSME_ECOLI				*	P0AGL7
P0AGL7	RSME_ECOLI				*	P0AGL7
P0AGL7	RSME_ECOLI	3	4	75.00%	*	P0AGL7
P76273	RSMF_ECOLI				none	
P60390	RSMH_ECOLI				*	P60390
P60390	RSMH_ECOLI				*	P60390
P60390	RSMH_ECOLI				*	P60390

P60390	RSMH_ECOLI	4	4	100.00%	* P60390
P67087	RSMI_ECOLI				* P67087
P67087	RSMI_ECOLI				* P67087
P67087	RSMI_ECOLI	2	3	66.67%	* P67087
P52108	RSTA_ECOLI				* P52108
P52108	RSTA_ECOLI				* P52108
P52108	RSTA_ECOLI				* P52108
P52108	RSTA_ECOLI				* P52108
P52108	RSTA_ECOLI				* P52108
P52108	RSTA_ECOLI				* P52108
P52108	RSTA_ECOLI				* P52108
P52108	RSTA_ECOLI				* P52108
P52108	RSTA_ECOLI	4	9	44.44%	* P52108
P0AA43	RSUA_ECOLI				* P0AA43
P0AA43	RSUA_ECOLI				* P0AA43
P0AA43	RSUA_ECOLI				* P0AA43
P0AA43	RSUA_ECOLI				* P0AA43
P0AA43	RSUA_ECOLI				* P0AA43
P0AA43	RSUA_ECOLI				* P0AA43
P0AA43	RSUA_ECOLI				* P0AA43
P0AA43	RSUA_ECOLI				* P0AA43
P0AA43	RSUA_ECOLI				* P0AA43
P0AA43	RSUA_ECOLI	8	10	80.00%	* P0AA43
P55135	RUMA_ECOLI				none
P75817	RUMB_ECOLI				* P75817
P75817	RUMB_ECOLI				* P75817
P75817	RUMB_ECOLI				* P75817
P75817	RUMB_ECOLI				* P75817
P75817	RUMB_ECOLI				* P75817
P75817	RUMB_ECOLI				* P75817
P75817	RUMB_ECOLI	4	7	57.14%	* P75817
P0A809	RUVA_ECOLI				* P0A809
P0A809	RUVA_ECOLI				* P0A809
P0A809	RUVA_ECOLI				* P0A809
P0A809	RUVA_ECOLI				* P0A809
P0A809	RUVA_ECOLI	2	5	40.00%	* P0A809
P0AAH4	SAPD_ECOLI				* P0AAH4
P0AAH4	SAPD_ECOLI	1	2	50.00%	* P0AAH4

P16095	SDHL_ECOLI				*	P16095
P16095	SDHL_ECOLI				*	P16095
P16095	SDHL_ECOLI	2	3	66.67%	*	P16095
P30744	SDHM_ECOLI	0	1	0.00%	*	P30744
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI				*	P10408
P10408	SECA_ECOLI	19	27	70.37%	*	P10408
P0AG86	SECB_ECOLI				*	P0AG86
P0AG86	SECB_ECOLI				*	P0AG86
P0AG86	SECB_ECOLI				*	P0AG86
P0AG86	SECB_ECOLI				*	P0AG86
P0AG86	SECB_ECOLI				*	P0AG86
P0AG86	SECB_ECOLI				*	P0AG86
P0AG86	SECB_ECOLI				*	P0AG86
P0AG86	SECB_ECOLI				*	P0AG86
P0AG86	SECB_ECOLI				*	P0AG86
P0AG86	SECB_ECOLI	5	9	55.56%	*	P0AG86

P0AG24	SPOT_ECOLI				* P0AG24
P0AG24	SPOT_ECOLI				* P0AG24
P0AG24	SPOT_ECOLI				* P0AG24
P0AG24	SPOT_ECOLI				* P0AG24
P0AG24	SPOT_ECOLI				* P0AG24
P0AG24	SPOT_ECOLI				* P0AG24
P0AG24	SPOT_ECOLI				* P0AG24
P0AG24	SPOT_ECOLI				* P0AG24
P0AG24	SPOT_ECOLI				* P0AG24
P0AG24	SPOT_ECOLI				* P0AG24
P0AG24	SPOT_ECOLI				* P0AG24
P0AG24	SPOT_ECOLI	43	47	91.49%	* P0AG24
P68191	SRA_ECOLI				none
P21507	SRMB_ECOLI				* P21507
P21507	SRMB_ECOLI				* P21507
P21507	SRMB_ECOLI				* P21507
P21507	SRMB_ECOLI				* P21507
P21507	SRMB_ECOLI				* P21507
P21507	SRMB_ECOLI				* P21507
P21507	SRMB_ECOLI				* P21507
P21507	SRMB_ECOLI				* P21507
P21507	SRMB_ECOLI				* P21507
P21507	SRMB_ECOLI				* P21507
P21507	SRMB_ECOLI				* P21507
P21507	SRMB_ECOLI				* P21507
P21507	SRMB_ECOLI				* P21507
P21507	SRMB_ECOLI				* P21507
P21507	SRMB_ECOLI				* P21507
P21507	SRMB_ECOLI				* P21507
P21507	SRMB_ECOLI				* P21507
P21507	SRMB_ECOLI	18	19	94.74%	* P21507
P0AGD7	SRP54_ECOLI				* P0AGD7
P0AGD7	SRP54_ECOLI				* P0AGD7
P0AGD7	SRP54_ECOLI				* P0AGD7
P0AGD7	SRP54_ECOLI	4	4	100.00%	* P0AGD7
P0AGE0	SSB_ECOLI				* P0AGE0
P0AGE0	SSB_ECOLI	2	4	50.00%	* P0AGE0
P0ACA3	SSPA_ECOLI				* P0ACA3
P0ACA3	SSPA_ECOLI				* P0ACA3
P0ACA3	SSPA_ECOLI				* P0ACA3

P0ACA3	SSPA_ECOLI				* P0ACA3
P0ACA3	SSPA_ECOLI				* P0ACA3
P0ACA3	SSPA_ECOLI				* P0ACA3
P0ACA3	SSPA_ECOLI				* P0ACA3
P0ACA3	SSPA_ECOLI				* P0ACA3
P0ACA3	SSPA_ECOLI				* P0ACA3
P0ACA3	SSPA_ECOLI				* P0ACA3
P0ACA3	SSPA_ECOLI				* P0ACA3
P0ACA3	SSPA_ECOLI				* P0ACA3
P0ACA3	SSPA_ECOLI	9	13	69.23%	* P0ACA3
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI				* P0A832
P0A832	SSRP_ECOLI	28	32	87.50%	* P0A832
P76072	STFR_ECOLI				* P76072

P76072	STFR_ECOLI				*	P76072
P76072	STFR_ECOLI				*	P76072
P76072	STFR_ECOLI				*	P76072
P76072	STFR_ECOLI				*	P76072
P76072	STFR_ECOLI				*	P76072
P76072	STFR_ECOLI	2	7	28.57%	*	P76072
P0ACG1	STPA_ECOLI				*	P0ACG1
P0ACG1	STPA_ECOLI				*	P0ACG1
P0ACG1	STPA_ECOLI				*	P0ACG1
P0ACG1	STPA_ECOLI				*	P0ACG1
P0ACG1	STPA_ECOLI				*	P0ACG1
P0ACG1	STPA_ECOLI	5	6	83.33%	*	P0ACG1
P0A836	SUCC_ECOLI				*	P0A836
P0A836	SUCC_ECOLI				*	P0A836
P0A836	SUCC_ECOLI				*	P0A836
P0A836	SUCC_ECOLI				*	P0A836
P0A836	SUCC_ECOLI				*	P0A836
P0A836	SUCC_ECOLI				*	P0A836
P0A836	SUCC_ECOLI				*	P0A836
P0A836	SUCC_ECOLI				*	P0A836
P0A836	SUCC_ECOLI	8	9	88.89%	*	P0A836
P0AGE9	SUCD_ECOLI				*	P0AGE9
P0AGE9	SUCD_ECOLI				*	P0AGE9
P0AGE9	SUCD_ECOLI	2	3	66.67%	*	P0AGE9
P77499	SUFC_ECOLI				*	P77499
P77499	SUFC_ECOLI				*	P77499
P77499	SUFC_ECOLI				*	P77499
P77499	SUFC_ECOLI				*	P77499
P77499	SUFC_ECOLI				*	P77499
P77499	SUFC_ECOLI				*	P77499
P77499	SUFC_ECOLI				*	P77499
P77499	SUFC_ECOLI	3	8	37.50%	*	P77499
P77444	SUFS_ECOLI				*	P77444
P77444	SUFS_ECOLI				*	P77444
P77444	SUFS_ECOLI				*	P77444
P77444	SUFS_ECOLI				*	P77444
P77444	SUFS_ECOLI				*	P77444
P77444	SUFS_ECOLI				*	P77444
P77444	SUFS_ECOLI	3	7	42.86%	*	P77444

P0ABZ6	SURA_ECOLI				* P0ABZ6
P0ABZ6	SURA_ECOLI				* P0ABZ6
P0ABZ6	SURA_ECOLI				* P0ABZ6
P0ABZ6	SURA_ECOLI				* P0ABZ6
P0ABZ6	SURA_ECOLI				* P0ABZ6
P0ABZ6	SURA_ECOLI				* P0ABZ6
P0ABZ6	SURA_ECOLI				* P0ABZ6
P0ABZ6	SURA_ECOLI	6	8	75.00%	* P0ABZ6
P00957	SYA_ECOLI				* P00957
P00957	SYA_ECOLI				* P00957
P00957	SYA_ECOLI				* P00957
P00957	SYA_ECOLI				* P00957
P00957	SYA_ECOLI				* P00957
P00957	SYA_ECOLI				* P00957
P00957	SYA_ECOLI	5	7	71.43%	* P00957
P21888	SYC_ECOLI				* P21888
P21888	SYC_ECOLI	2	2	100.00%	* P21888
P21889	SYD_ECOLI				* P21889
P21889	SYD_ECOLI				* P21889
P21889	SYD_ECOLI				* P21889
P21889	SYD_ECOLI				* P21889
P21889	SYD_ECOLI				* P21889
P21889	SYD_ECOLI				* P21889
P21889	SYD_ECOLI	6	8	75.00%	* P21889
P04805	SYE_ECOLI				* P04805
P04805	SYE_ECOLI				* P04805
P04805	SYE_ECOLI				* P04805
P04805	SYE_ECOLI				* P04805
P04805	SYE_ECOLI				* P04805
P04805	SYE_ECOLI	3	6	50.00%	* P04805
P07395	SYFB_ECOLI				* P07395
P07395	SYFB_ECOLI				* P07395
P07395	SYFB_ECOLI				* P07395
P07395	SYFB_ECOLI				* P07395
P07395	SYFB_ECOLI				* P07395
P07395	SYFB_ECOLI				* P07395
P07395	SYFB_ECOLI				* P07395
P07395	SYFB_ECOLI	4	8	50.00%	* P07395

P00960	SYGA_ECOLI				*	P00960
P00960	SYGA_ECOLI				*	P00960
P00960	SYGA_ECOLI				*	P00960
P00960	SYGA_ECOLI				*	P00960
P00960	SYGA_ECOLI				*	P00960
P00960	SYGA_ECOLI				*	P00960
P00960	SYGA_ECOLI				*	P00960
P00960	SYGA_ECOLI				*	P00960
P00960	SYGA_ECOLI				*	P00960
P00960	SYGA_ECOLI				*	P00960
P00960	SYGA_ECOLI				*	P00960
P00960	SYGA_ECOLI				*	P00960
P00960	SYGA_ECOLI				*	P00960
P00960	SYGA_ECOLI				*	P00960
P00960	SYGA_ECOLI				*	P00960
P00960	SYGA_ECOLI				*	P00960
P00960	SYGA_ECOLI				*	P00960
P00960	SYGA_ECOLI				*	P00960
P00960	SYGA_ECOLI	16	18	88.89%	*	P00960
P00961	SYGB_ECOLI				*	P00961
P00961	SYGB_ECOLI				*	P00961
P00961	SYGB_ECOLI	1	3	33.33%	*	P00961
P00956	SYI_ECOLI				*	P00956
P00956	SYI_ECOLI				*	P00956
P00956	SYI_ECOLI				*	P00956
P00956	SYI_ECOLI				*	P00956
P00956	SYI_ECOLI				*	P00956
P00956	SYI_ECOLI				*	P00956
P00956	SYI_ECOLI				*	P00956
P00956	SYI_ECOLI				*	P00956
P00956	SYI_ECOLI	6	9	66.67%	*	P00956
POA8N3	SYK1_ECOLI				*	POA8N3
POA8N3	SYK1_ECOLI				*	POA8N3
POA8N3	SYK1_ECOLI				*	POA8N3
POA8N3	SYK1_ECOLI				*	POA8N3
POA8N3	SYK1_ECOLI				*	POA8N3
POA8N3	SYK1_ECOLI				*	POA8N3
POA8N3	SYK1_ECOLI				*	POA8N3
POA8N3	SYK1_ECOLI				*	POA8N3
POA8N3	SYK1_ECOLI				*	POA8N3
POA8N3	SYK1_ECOLI				*	POA8N3
POA8N3	SYK1_ECOLI				*	POA8N3
POA8N3	SYK1_ECOLI				*	POA8N3
POA8N3	SYK1_ECOLI	2	12	16.67%	*	POA8N3

POA8M3	SYT_ECOLI				* P0A8M3
POA8M3	SYT_ECOLI				* P0A8M3
POA8M3	SYT_ECOLI				* P0A8M3
POA8M3	SYT_ECOLI				* P0A8M3
POA8M3	SYT_ECOLI				* P0A8M3
POA8M3	SYT_ECOLI				* P0A8M3
POA8M3	SYT_ECOLI				* P0A8M3
POA8M3	SYT_ECOLI				* P0A8M3
POA8M3	SYT_ECOLI				* P0A8M3
POA8M3	SYT_ECOLI				* P0A8M3
POA8M3	SYT_ECOLI				* P0A8M3
POA8M3	SYT_ECOLI				* P0A8M3
POA8M3	SYT_ECOLI	20	27	74.07%	* P0A8M3
P07118	SYV_ECOLI	1	1	100.00%	* P07118
P00954	SYW_ECOLI				* P00954
P00954	SYW_ECOLI				* P00954
P00954	SYW_ECOLI				* P00954
P00954	SYW_ECOLI				* P00954
P00954	SYW_ECOLI				* P00954
P00954	SYW_ECOLI				* P00954
P00954	SYW_ECOLI				* P00954
P00954	SYW_ECOLI				* P00954
P00954	SYW_ECOLI				* P00954
P00954	SYW_ECOLI				* P00954
P00954	SYW_ECOLI	10	12	83.33%	* P00954
P0AGJ9	SYY_ECOLI				* P0AGJ9
P0AGJ9	SYY_ECOLI				* P0AGJ9
P0AGJ9	SYY_ECOLI				* P0AGJ9
P0AGJ9	SYY_ECOLI				* P0AGJ9
P0AGJ9	SYY_ECOLI				* P0AGJ9
P0AGJ9	SYY_ECOLI				* P0AGJ9
P0AGJ9	SYY_ECOLI				* P0AGJ9
P0AGJ9	SYY_ECOLI	6	8	75.00%	* P0AGJ9
P25239	T257_ECOLX				none
P0A867	TALA_ECOLI				* P0A867
P0A867	TALA_ECOLI	1	2	50.00%	* P0A867
P0A870	TALB_ECOLI	1	1	100.00%	* P0A870

P0A850	TIG_ECOLI	79	119	66.39%	* P0A850
P27302	TKT1_ECOLI				none
Q46731 Q46731-2	TN5P_ECOLX TN5P_ECOLX				none
P0A853	TNAA_ECOLI	1	1	100.00%	* P0A853
P13694	TNP7_ECOLX				none
P0A855	TOLB_ECOLI				none
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI				* P06612
P06612	TOP1_ECOLI	19	29	65.52%	* P06612
P33226	TORC_ECOLI				none

POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI				* POA815
POA815	TRMB_ECOLI	37	45	82.22%	* POA815
POAGJ2	TRMH_ECOLI				* POAGJ2
POAGJ2	TRMH_ECOLI				* POAGJ2
POAGJ2	TRMH_ECOLI	2	3	66.67%	* POAGJ2
POAE01	TRMJ_ECOLI				none
P60340	TRUB_ECOLI				* P60340
P60340	TRUB_ECOLI				* P60340
P60340	TRUB_ECOLI				* P60340
P60340	TRUB_ECOLI				* P60340
P60340	TRUB_ECOLI	4	5	80.00%	* P60340
POA9P4	TRXB_ECOLI	1	1	100.00%	* POA9P4

P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI				* P0A9W0
P0A9W0	ULAR_ECOLI	40	45	88.89%	* P0A9W0
P0A8F0	UPP_ECOLI				* P0A8F0
P0A8F0	UPP_ECOLI				* P0A8F0
P0A8F0	UPP_ECOLI				* P0A8F0
P0A8F0	UPP_ECOLI	3	4	75.00%	* P0A8F0
P32326	URER_ECOLX				none
P08390	USG_ECOLI				* P08390
P08390	USG_ECOLI				* P08390
P08390	USG_ECOLI				* P08390
P08390	USG_ECOLI				* P08390
P08390	USG_ECOLI				* P08390

P08390	USG_ECOLI				* P08390
P08390	USG_ECOLI				* P08390
P08390	USG_ECOLI				* P08390
P08390	USG_ECOLI				* P08390
P08390	USG_ECOLI				* P08390
P08390	USG_ECOLI				* P08390
P08390	USG_ECOLI				* P08390
P08390	USG_ECOLI				* P08390
P08390	USG_ECOLI				* P08390
P08390	USG_ECOLI				* P08390
P08390	USG_ECOLI				* P08390
P08390	USG_ECOLI				* P08390
P08390	USG_ECOLI				* P08390
P08390	USG_ECOLI	13	19	68.42%	* P08390
P0AED0	USPA_ECOLI				* P0AED0
P0AED0	USPA_ECOLI				* P0AED0
P0AED0	USPA_ECOLI	1	3	33.33%	* P0AED0
P0AAB8	USPD_ECOLI				none
P0AAC0	USPE_ECOLI				none
P37903	USPF_ECOLI				* P37903
P37903	USPF_ECOLI				* P37903
P37903	USPF_ECOLI				* P37903
P37903	USPF_ECOLI				* P37903
P37903	USPF_ECOLI				* P37903
P37903	USPF_ECOLI				* P37903
P37903	USPF_ECOLI				* P37903
P37903	USPF_ECOLI				* P37903
P37903	USPF_ECOLI				* P37903
P37903	USPF_ECOLI				* P37903
P37903	USPF_ECOLI				* P37903
P37903	USPF_ECOLI				* P37903
P37903	USPF_ECOLI				* P37903
P37903	USPF_ECOLI				* P37903
P37903	USPF_ECOLI				* P37903
P37903	USPF_ECOLI				* P37903
P37903	USPF_ECOLI				* P37903
P37903	USPF_ECOLI				* P37903
P37903	USPF_ECOLI				* P37903
P37903	USPF_ECOLI	11	19	57.89%	* P37903
P39177	USPG_ECOLI				* P39177
P39177	USPG_ECOLI				* P39177

P0A8G0	UVRC_ECOLI	47	52	90.38%	* P0A8G0
P39160	UXUB_ECOLI				* P39160
P39160	UXUB_ECOLI	1	2	50.00%	* P39160
P25535	VISC_ECOLI				none
P0ACD2	WCAF_ECOLI				none
P27828	WECB_ECOLI				none
P27829	WECC_ECOLI				none
P0A8G6	WRBA_ECOLI				* P0A8G6
P0A8G6	WRBA_ECOLI	1	2	50.00%	* P0A8G6
P0A8P8	XERD_ECOLI				* P0A8P8
P0A8P8	XERD_ECOLI				* P0A8P8
P0A8P8	XERD_ECOLI				* P0A8P8
P0A8P8	XERD_ECOLI				* P0A8P8
P0A8P8	XERD_ECOLI				* P0A8P8
P0A8P8	XERD_ECOLI	5	6	83.33%	* P0A8P8
P0A9M5	XGPT_ECOLI	0	1	0.00%	* P0A9M5
P36879	YADG_ECOLI				* P36879
P36879	YADG_ECOLI	2	2	100.00%	* P36879
P62768	YAEH_ECOLI				none
P0A940	YAET_ECOLI	0	1	0.00%	* P0A940
P30864	YAFC_ECOLI	1	1	100.00%	* P30864
P77300	YAGI_ECOLI				* P77300
P77300	YAGI_ECOLI				* P77300
P77300	YAGI_ECOLI				* P77300
P77300	YAGI_ECOLI				* P77300
P77300	YAGI_ECOLI	2	5	40.00%	* P77300
P77607	YAGL_ECOLI				* P77607
P77607	YAGL_ECOLI				* P77607
P77607	YAGL_ECOLI	3	3	100.00%	* P77607
P77802	YAGX_ECOLI				none

P77634	YBCM_ECOLI				*	P77634
P77634	YBCM_ECOLI	6	11	54.55%	*	P77634
P77460	YBCY_ECOLI					none
P0A8J4	YBED_ECOLI				*	P0A8J4
P0A8J4	YBED_ECOLI				*	P0A8J4
P0A8J4	YBED_ECOLI				*	P0A8J4
P0A8J4	YBED_ECOLI				*	P0A8J4
P0A8J4	YBED_ECOLI				*	P0A8J4
P0A8J4	YBED_ECOLI				*	P0A8J4
P0A8J4	YBED_ECOLI	6	7	85.71%	*	P0A8J4
P0AAU7	YBFE_ECOLI					none
P0A8Z3	YBGC_ECOLI				*	P0A8Z3
P0A8Z3	YBGC_ECOLI				*	P0A8Z3
P0A8Z3	YBGC_ECOLI				*	P0A8Z3
P0A8Z3	YBGC_ECOLI				*	P0A8Z3
P0A8Z3	YBGC_ECOLI				*	P0A8Z3
P0A8Z3	YBGC_ECOLI				*	P0A8Z3
P0A8Z3	YBGC_ECOLI				*	P0A8Z3
P0A8Z3	YBGC_ECOLI				*	P0A8Z3
P0A8Z3	YBGC_ECOLI				*	P0A8Z3
P0A8Z3	YBGC_ECOLI				*	P0A8Z3
P0A8Z3	YBGC_ECOLI				*	P0A8Z3
P0A8Z3	YBGC_ECOLI				*	P0A8Z3
P0A8Z3	YBGC_ECOLI				*	P0A8Z3
P0A8Z3	YBGC_ECOLI				*	P0A8Z3
P0A8Z3	YBGC_ECOLI	8	15	53.33%	*	P0A8Z3
P0AFP6	YBGI_ECOLI				*	P0AFP6
P0AFP6	YBGI_ECOLI				*	P0AFP6
P0AFP6	YBGI_ECOLI				*	P0AFP6
P0AFP6	YBGI_ECOLI				*	P0AFP6
P0AFP6	YBGI_ECOLI	4	5	80.00%	*	P0AFP6
P0AAV4	YBGJ_ECOLI				*	P0AAV4
P0AAV4	YBGJ_ECOLI				*	P0AAV4
P0AAV4	YBGJ_ECOLI	2	3	66.67%	*	P0AAV4
P75745	YBGK_ECOLI				*	P75745
P75745	YBGK_ECOLI				*	P75745
P75745	YBGK_ECOLI				*	P75745
P75745	YBGK_ECOLI	2	4	50.00%	*	P75745

P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI				* P75829
P75829	YBJX_ECOLI	55	60	91.67%	* P75829
P21367	YCAC_ECOLI				* P21367
P21367	YCAC_ECOLI	1	2	50.00%	* P21367
P75838	YCAO_ECOLI				* P75838
P75838	YCAO_ECOLI	0	2	0.00%	* P75838
P22525	YCBB_ECOLI	1	1	100.00%	* P22525
P0A8N0	YCBG_ECOLI				* P0A8N0
P0A8N0	YCBG_ECOLI				* P0A8N0
P0A8N0	YCBG_ECOLI				* P0A8N0
P0A8N0	YCBG_ECOLI				* P0A8N0
P0A8N0	YCBG_ECOLI				* P0A8N0

P0A8N0	YCBG_ECOLI	4	6	66.67%	* P0A8N0
P75849	YCBL_ECOLI				* P75849
P75849	YCBL_ECOLI				* P75849
P75849	YCBL_ECOLI	1	3	33.33%	* P75849
P75874	YCCU_ECOLI	1	1	100.00%	* P75874
P0AB28	YCED_ECOLI				* P0AB28
P0AB28	YCED_ECOLI				* P0AB28
P0AB28	YCED_ECOLI				* P0AB28
P0AB28	YCED_ECOLI				* P0AB28
P0AB28	YCED_ECOLI				* P0AB28
P0AB28	YCED_ECOLI				* P0AB28
P0AB28	YCED_ECOLI				* P0AB28
P0AB28	YCED_ECOLI				* P0AB28
P0AB28	YCED_ECOLI				* P0AB28
P0AB28	YCED_ECOLI	8	10	80.00%	* P0AB28
P0A729	YCEF_ECOLI				none
P27431	YCFD_ECOLI				* P27431
P27431	YCFD_ECOLI				* P27431
P27431	YCFD_ECOLI				* P27431
P27431	YCFD_ECOLI				* P27431
P27431	YCFD_ECOLI				* P27431
P27431	YCFD_ECOLI				* P27431
P27431	YCFD_ECOLI				* P27431
P27431	YCFD_ECOLI				* P27431
P27431	YCFD_ECOLI				* P27431
P27431	YCFD_ECOLI				* P27431
P27431	YCFD_ECOLI	8	12	66.67%	* P27431
P0A8E1	YCFP_ECOLI				none
P75952	YCFQ_ECOLI				none
P75961	YCFZ_ECOLI				none
P29013	YCGB_ECOLI				* P29013
P29013	YCGB_ECOLI				* P29013
P29013	YCGB_ECOLI				* P29013
P29013	YCGB_ECOLI	2	4	50.00%	* P29013

P76000	YCGI_ECOLI				none
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI				* P37052
P37052	YCHJ_ECOLI	15	26	57.69%	* P37052
P0A8L7	YCIU_ECOLI				* P0A8L7
P0A8L7	YCIU_ECOLI				* P0A8L7
P0A8L7	YCIU_ECOLI				* P0A8L7
P0A8L7	YCIU_ECOLI				* P0A8L7
P0A8L7	YCIU_ECOLI				* P0A8L7
P0A8L7	YCIU_ECOLI	6	6	100.00%	* P0A8L7
P76044	YCJR_ECOLI				none
P77154	YCJT_ECOLI				none
P77615	YCJW_ECOLI				* P77615
P77615	YCJW_ECOLI				* P77615
P77615	YCJW_ECOLI	2	3	66.67%	* P77615
P77333	YCJZ_ECOLI				* P77333

P77333	YCJZ_ECOLI				*	P77333
P77333	YCJZ_ECOLI				*	P77333
P77333	YCJZ_ECOLI				*	P77333
P77333	YCJZ_ECOLI	3	5	60.00%	*	P77333
P38394	YDAE_ECOLI				*	P38394
P38394	YDAE_ECOLI				*	P38394
P38394	YDAE_ECOLI				*	P38394
P38394	YDAE_ECOLI	3	4	75.00%	*	P38394
P76053	YDAL_ECOLI					none
P76069	YDAY_ECOLI				*	P76069
P76069	YDAY_ECOLI				*	P76069
P76069	YDAY_ECOLI	3	3	100.00%	*	P76069
P76076	YDBL_ECOLI					none
P0ACW6	YDCH_ECOLI					none
P76103	YDCO_ECOLI					none
P77730	YDCR_ECOLI	1	1	100.00%	*	P77730
P77156	YDCU_ECOLI					none
P31826	YDDA_ECOLI					none
P37757	YDDE_ECOLI				*	P37757
P37757	YDDE_ECOLI				*	P37757
P37757	YDDE_ECOLI				*	P37757
P37757	YDDE_ECOLI				*	P37757
P37757	YDDE_ECOLI	4	5	80.00%	*	P37757
P39831	YDFG_ECOLI				*	P39831
P39831	YDFG_ECOLI				*	P39831
P39831	YDFG_ECOLI				*	P39831
P39831	YDFG_ECOLI				*	P39831
P39831	YDFG_ECOLI				*	P39831
P39831	YDFG_ECOLI				*	P39831
P39831	YDFG_ECOLI	3	7	42.86%	*	P39831
P64463	YDFZ_ECOLI				*	P64463
P64463	YDFZ_ECOLI				*	P64463
P64463	YDFZ_ECOLI				*	P64463

P64463	YDFZ_ECOLI				*	P64463
P64463	YDFZ_ECOLI				*	P64463
P64463	YDFZ_ECOLI				*	P64463
P64463	YDFZ_ECOLI				*	P64463
P64463	YDFZ_ECOLI				*	P64463
P64463	YDFZ_ECOLI	4	9	44.44%	*	P64463
P76177	YDGH_ECOLI					none
P77552	YDHQ_ECOLI				*	P77552
P77552	YDHQ_ECOLI				*	P77552
P77552	YDHQ_ECOLI				*	P77552
P77552	YDHQ_ECOLI				*	P77552
P77552	YDHQ_ECOLI				*	P77552
P77552	YDHQ_ECOLI				*	P77552
P77552	YDHQ_ECOLI				*	P77552
P77552	YDHQ_ECOLI				*	P77552
P77552	YDHQ_ECOLI				*	P77552
P77552	YDHQ_ECOLI				*	P77552
P77552	YDHQ_ECOLI				*	P77552
P77552	YDHQ_ECOLI				*	P77552
P77552	YDHQ_ECOLI	8	14	57.14%	*	P77552
P0ACX3	YDHR_ECOLI				*	P0ACX3
P0ACX3	YDHR_ECOLI				*	P0ACX3
P0ACX3	YDHR_ECOLI	3	3	100.00%	*	P0ACX3
P76192	YDHV_ECOLI					none
P64476	YDIH_ECOLI				*	P64476
P64476	YDIH_ECOLI				*	P64476
P64476	YDIH_ECOLI				*	P64476
P64476	YDIH_ECOLI				*	P64476
P64476	YDIH_ECOLI				*	P64476
P64476	YDIH_ECOLI				*	P64476
P64476	YDIH_ECOLI				*	P64476
P64476	YDIH_ECOLI				*	P64476
P64476	YDIH_ECOLI	8	9	88.89%	*	P64476
P77748	YDIJ_ECOLI					none
P0ACY1	YDJA_ECOLI				*	P0ACY1
P0ACY1	YDJA_ECOLI				*	P0ACY1
P0ACY1	YDJA_ECOLI				*	P0ACY1

P0ACY1	YDJA_ECOLI				* P0ACY1
P0ACY1	YDJA_ECOLI				* P0ACY1
P0ACY1	YDJA_ECOLI				* P0ACY1
P0ACY1	YDJA_ECOLI				* P0ACY1
P0ACY1	YDJA_ECOLI				* P0ACY1
P0ACY1	YDJA_ECOLI	5	9	55.56%	* P0ACY1
P77721	YDJF_ECOLI				* P77721
P77721	YDJF_ECOLI				* P77721
P77721	YDJF_ECOLI				* P77721
P77721	YDJF_ECOLI				* P77721
P77721	YDJF_ECOLI				* P77721
P77721	YDJF_ECOLI				* P77721
P77721	YDJF_ECOLI				* P77721
P77721	YDJF_ECOLI				* P77721
P77721	YDJF_ECOLI				* P77721
P77721	YDJF_ECOLI				* P77721
P77721	YDJF_ECOLI				* P77721
P77721	YDJF_ECOLI				* P77721
P77721	YDJF_ECOLI				* P77721
P77721	YDJF_ECOLI	13	14	92.86%	* P77721
P39173	YEAD_ECOLI				* P39173
P39173	YEAD_ECOLI	1	2	50.00%	* P39173
P0ACY3	YEAG_ECOLI				* P0ACY3
P0ACY3	YEAG_ECOLI				* P0ACY3
P0ACY3	YEAG_ECOLI				* P0ACY3
P0ACY3	YEAG_ECOLI	2	4	50.00%	* P0ACY3
P64483	YEAKECOLI				* P64483
P64483	YEAKECOLI				* P64483
P64483	YEAKECOLI				* P64483
P64483	YEAKECOLI				* P64483
P64483	YEAKECOLI				* P64483
P64483	YEAKECOLI				* P64483
P64483	YEAKECOLI				* P64483
P64483	YEAKECOLI				* P64483
P64483	YEAKECOLI				* P64483
P64483	YEAKECOLI				* P64483
P64483	YEAKECOLI	9	11	81.82%	* P64483
P76254	YEAX_ECOLI				none
P76256	YEAZ_ECOLI				* P76256

P76256	YEAZ_ECOLI				* P76256
P76256	YEAZ_ECOLI				* P76256
P76256	YEAZ_ECOLI				* P76256
P76256	YEAZ_ECOLI				* P76256
P76256	YEAZ_ECOLI				* P76256
P76256	YEAZ_ECOLI				* P76256
P76256	YEAZ_ECOLI				* P76256
P76256	YEAZ_ECOLI	1	9	11.11%	* P76256
POA8A0	YEBC_ECOLI				* POA8A0
POA8A0	YEBC_ECOLI				* POA8A0
POA8A0	YEBC_ECOLI				* POA8A0
POA8A0	YEBC_ECOLI				* POA8A0
POA8A0	YEBC_ECOLI				* POA8A0
POA8A0	YEBC_ECOLI				* POA8A0
POA8A0	YEBC_ECOLI				* POA8A0
POA8A0	YEBC_ECOLI				* POA8A0
POA8A0	YEBC_ECOLI				* POA8A0
POA8A0	YEBC_ECOLI				* POA8A0
POA8A0	YEBC_ECOLI				* POA8A0
POA8A0	YEBC_ECOLI				* POA8A0
POA8A0	YEBC_ECOLI				* POA8A0
POA8A0	YEBC_ECOLI				* POA8A0
POA8A0	YEBC_ECOLI	11	16	68.75%	* POA8A0
P76272	YEBT_ECOLI				none
P64503	YEBV_ECOLI				none
P37774	YECC_ECOLI				* P37774
P37774	YECC_ECOLI				* P37774
P37774	YECC_ECOLI	3	3	100.00%	* P37774
P0ADI7	YECD_ECOLI				none
P31064	YEDE_ECOLI				none
P76321	YEDN_ECOLI				* P76321
P76321	YEDN_ECOLI				* P76321
P76321	YEDN_ECOLI	2	3	66.67%	* P76321
P76335	YEDS_ECOLI				none
POA8M6	YEEX_ECOLI				none

P37749	YEFG_ECOLI				* P37749
P37749	YEFG_ECOLI	1	2	50.00%	* P37749
P76393	YEGI_ECOLI				none
P33354	YEHR_ECOLI				none
P33355	YEHS_ECOLI				none
P76440	YEIT_ECOLI	0	1	0.00%	* P76440
P33913	YEJA_ECOLI				* P33913
P33913	YEJA_ECOLI	2	2	100.00%	* P33913
P0AD24	YEJL_ECOLI				none
P17994	YFAA_ECOLI				* P17994
P17994	YFAA_ECOLI				* P17994
P17994	YFAA_ECOLI				* P17994
P17994	YFAA_ECOLI				* P17994
P17994	YFAA_ECOLI	4	5	80.00%	* P17994
P0A8W8	YFBU_ECOLI				none
P0AD30	YFCA_ECOLI				none
P39199	YFCB_ECOLI				* P39199
P39199	YFCB_ECOLI				* P39199
P39199	YFCB_ECOLI				* P39199
P39199	YFCB_ECOLI				* P39199
P39199	YFCB_ECOLI				* P39199
P39199	YFCB_ECOLI				* P39199
P39199	YFCB_ECOLI				* P39199
P39199	YFCB_ECOLI	7	8	87.50%	* P39199
P67095	YFCE_ECOLI				none
P0AD33	YFCZ_ECOLI				* P0AD33
P0AD33	YFCZ_ECOLI				* P0AD33
P0AD33	YFCZ_ECOLI				* P0AD33
P0AD33	YFCZ_ECOLI				* P0AD33
P0AD33	YFCZ_ECOLI				* P0AD33
P0AD33	YFCZ_ECOLI	5	6	83.33%	* P0AD33

P0AGJ5	YFIF_ECOLI				*	P0AGJ5
P0AGJ5	YFIF_ECOLI				*	P0AGJ5
P0AGJ5	YFIF_ECOLI				*	P0AGJ5
P0AGJ5	YFIF_ECOLI				*	P0AGJ5
P0AGJ5	YFIF_ECOLI				*	P0AGJ5
P0AGJ5	YFIF_ECOLI				*	P0AGJ5
P0AGJ5	YFIF_ECOLI				*	P0AGJ5
P0AGJ5	YFIF_ECOLI				*	P0AGJ5
P0AGJ5	YFIF_ECOLI				*	P0AGJ5
P0AGJ5	YFIF_ECOLI				*	P0AGJ5
P0AGJ5	YFIF_ECOLI				*	P0AGJ5
P0AGJ5	YFIF_ECOLI				*	P0AGJ5
P0AGJ5	YFIF_ECOLI				*	P0AGJ5
P0AGJ5	YFIF_ECOLI				*	P0AGJ5
P0AGJ5	YFIF_ECOLI				*	P0AGJ5
P0AGJ5	YFIF_ECOLI				*	P0AGJ5
P0AGJ5	YFIF_ECOLI				*	P0AGJ5
P0AGJ5	YFIF_ECOLI	47	52	90.38%	*	P0AGJ5
P0AC02	YFIO_ECOLI					none
Q47319	YFIP_ECOLI					none
P52124	YFJI_ECOLI					none
P52131	YFJP_ECOLI					none
P52138	YFJW_ECOLI					none
P0AD53	YGAC_ECOLI					none
P65807	YGEY_ECOLI				*	P65807
P65807	YGEY_ECOLI				*	P65807
P65807	YGEY_ECOLI				*	P65807
P65807	YGEY_ECOLI	0	4	0.00%	*	P65807
P0A8C4	YGFB_ECOLI					none
Q46811	YGFK_ECOLI					none
P0ADE8	YGFZ_ECOLI				*	P0ADE8
P0ADE8	YGFZ_ECOLI				*	P0ADE8
P0ADE8	YGFZ_ECOLI				*	P0ADE8
P0ADE8	YGFZ_ECOLI	2	4	50.00%	*	P0ADE8
P0AG84	YGHA_ECOLI				*	P0AG84

P0AG84	YGHA_ECOLI				*	P0AG84
P0AG84	YGHA_ECOLI				*	P0AG84
P0AG84	YGHA_ECOLI	3	4	75.00%	*	P0AG84
Q46841	YGHQ_ECOLI					none
P0ADU2	YGIN_ECOLI	1	1	100.00%	*	P0ADU2
Q46864	YGIT_ECOLI					none
P0ADU5	YGIW_ECOLI					none
P63417	YHBS_ECOLI				*	P63417
P63417	YHBS_ECOLI				*	P63417
P63417	YHBS_ECOLI				*	P63417
P63417	YHBS_ECOLI				*	P63417
P63417	YHBS_ECOLI				*	P63417
P63417	YHBS_ECOLI				*	P63417
P63417	YHBS_ECOLI	4	7	57.14%	*	P63417
P13518	YHDA_ECOLI					none
P25536	YHDE_ECOLI				*	P25536
P25536	YHDE_ECOLI	1	2	50.00%	*	P25536
P45766	YHDW_ECOLI					none
P64624	YHEO_ECOLI					none
P45524	YHET_ECOLI				*	P45524
P45524	YHET_ECOLI	2	2	100.00%	*	P45524
P64627	YHFL_ECOLI					none
P46837	YHGF_ECOLI				*	P46837
P46837	YHGF_ECOLI	1	2	50.00%	*	P46837
P37613	YHHK_ECOLI	0	1	0.00%	*	P37613
P37614	YHHL_ECOLI					none
P37624	YHIH_ECOLI					none
P68567	YHIQ_ECOLI					none

P32162	YIIS_ECOLI				*	P32162
P32162	YIIS_ECOLI				*	P32162
P32162	YIIS_ECOLI				*	P32162
P32162	YIIS_ECOLI				*	P32162
P32162	YIIS_ECOLI				*	P32162
P32162	YIIS_ECOLI				*	P32162
P32162	YIIS_ECOLI	15	23	65.22%	*	P32162
P32677	YIJO_ECOLI					none
P0AF50	YJBR_ECOLI	1	1	100.00%	*	P0AF50
P0ACU7	YJDC_ECOLI					none
P0AF67	YJEE_ECOLI				*	P0AF67
P0AF67	YJEE_ECOLI				*	P0AF67
P0AF67	YJEE_ECOLI				*	P0AF67
P0AF67	YJEE_ECOLI				*	P0AF67
P0AF67	YJEE_ECOLI				*	P0AF67
P0AF67	YJEE_ECOLI				*	P0AF67
P0AF67	YJEE_ECOLI				*	P0AF67
P0AF67	YJEE_ECOLI				*	P0AF67
P0AF67	YJEE_ECOLI				*	P0AF67
P0AF67	YJEE_ECOLI				*	P0AF67
P0AF67	YJEE_ECOLI				*	P0AF67
P0AF67	YJEE_ECOLI				*	P0AF67
P0AF67	YJEE_ECOLI				*	P0AF67
P0AF67	YJEE_ECOLI				*	P0AF67
P0AF67	YJEE_ECOLI				*	P0AF67
P0AF67	YJEE_ECOLI				*	P0AF67
P0AF67	YJEE_ECOLI				*	P0AF67
P0AF67	YJEE_ECOLI				*	P0AF67
P0AF67	YJEE_ECOLI				*	P0AF67
P0AF67	YJEE_ECOLI	16	20	80.00%	*	P0AF67
P31806	YJEF_ECOLI				*	P31806
P31806	YJEF_ECOLI				*	P31806
P31806	YJEF_ECOLI				*	P31806
P31806	YJEF_ECOLI				*	P31806
P31806	YJEF_ECOLI				*	P31806
P31806	YJEF_ECOLI				*	P31806
P31806	YJEF_ECOLI				*	P31806
P31806	YJEF_ECOLI				*	P31806
P31806	YJEF_ECOLI	7	9	77.78%	*	P31806

P37772	YJFF_ECOLI				none
P0AF90	YJGD_ECOLI				* P0AF90
P0AF90	YJGD_ECOLI				* P0AF90
P0AF90	YJGD_ECOLI				* P0AF90
P0AF90	YJGD_ECOLI				* P0AF90
P0AF90	YJGD_ECOLI				* P0AF90
P0AF90	YJGD_ECOLI				* P0AF90
P0AF90	YJGD_ECOLI	4	7	57.14%	* P0AF90
P0AF93	YJGF_ECOLI				none
P0AF96	YJGK_ECOLI				none
P39353	YJHC_ECOLI				none
P39356	YJHU_ECOLI				none
P24203	YJIA_ECOLI				none
P39376	YJIE_ECOLI	1	1	100.00%	* P39376
P39384	YJIM_ECOLI				none
P37342	YJJI_ECOLI	1	1	100.00%	* P37342
P0A9W3	YJJK_ECOLI	1	1	100.00%	* P0A9W3
P39411	YJXX_ECOLI				none
P75678	YKFA_ECOLI				none
P77252	YKGE_ECOLI				none
P75919	YMDC_ECOLI				none
P0AEB5	YNAI_ECOLI				none
P76116	YNCE_ECOLI	0	1	0.00%	* P76116
P0AAJ1	YNFG_ECOLI				none
P0AEB7	YOAB_ECOLI				none
P64508	YOBF_ECOLI				none

Q2EES6	YOHO_ECOLI				none
P76561	YPFH_ECOLI				none
P10018	YPR2_ECOLX				none
P0A8W5	YQGE_ECOLI				* P0A8W5
P0A8W5	YQGE_ECOLI				* P0A8W5
P0A8W5	YQGE_ECOLI				* P0A8W5
P0A8W5	YQGE_ECOLI				* P0A8W5
P0A8W5	YQGE_ECOLI				* P0A8W5
P0A8W5	YQGE_ECOLI				* P0A8W5
P0A8W5	YQGE_ECOLI				* P0A8W5
P0A8W5	YQGE_ECOLI				* P0A8W5
P0A8W5	YQGE_ECOLI	7	9	77.78%	* P0A8W5
Q46856	YQHD_ECOLI				* Q46856
Q46856	YQHD_ECOLI	2	2	100.00%	* Q46856
P77306	YQIK_ECOLI				* P77306
P77306	YQIK_ECOLI				* P77306
P77306	YQIK_ECOLI				* P77306
P77306	YQIK_ECOLI	0	4	0.00%	* P77306
P64581	YQJD_ECOLI				none
P64588	YQJI_ECOLI				* P64588
P64588	YQJI_ECOLI	1	2	50.00%	* P64588
P21314	YR75_ECOLX				* none
P21324	YR7J_ECOLX				*
P0A9W9	YRDA_ECOLI				* none
P45751	YRFB_ECOLI				* none
P64636	YRFG_ECOLI				* none
P39187	YTFJ_ECOLI				* none
P0ADE4	YTFM_ECOLI	1	1	100.00%	* P0ADE4
P39321	YTFN_ECOLI				* none

P0AE48	YTFP_ECOLI				* none
Q6BEX0	YTFR_ECOLI				* none
P34211	YUAR_ECOLI				* none
Q9S4X2	YUBD_ECOLI				* none
Q9S4W2	YUBM_ECOLI				* none
P0ADS2	ZAPA_ECOLI				* P0ADS2
P0ADS2	ZAPA_ECOLI				* P0ADS2
P0ADS2	ZAPA_ECOLI	1	3	33.33%	* P0ADS2
Q1JQN5	ZAPA_ECOLX				
P0AF36	ZAPB_ECOLI				* none
P39832	ZNUB_ECOLI				* none
		2682	3724	72.02%	

ID	interactor B	interactor A	interactor B	Alias interactor A	Alias interactor B
P18843	6pgd_ecoli	6pgd_ecoli	nade_ecoli	gnd	nadE
P22259	6pgd_ecoli	6pgd_ecoli	pcka_ecoli	gnd	pckA
P15288	6pgd_ecoli	6pgd_ecoli	pepd_ecoli	gnd	pepD
P0AAJ3	6pgl_ecoli	6pgl_ecoli	fdnh_ecoli	pgl	fdnH
P0A717	6pgl_ecoli	6pgl_ecoli	kprs_ecoli	pgl	prs
P18843	6pgl_ecoli	6pgl_ecoli	nade_ecoli	pgl	nadE
P0AA43	6pgl_ecoli	6pgl_ecoli	rsua_ecoli	pgl	rsuA
P0AD35	6pgl_ecoli	6pgl_ecoli	yfdo_ecoli	pgl	yfdO
P18843	aat_ecoli	aat_ecoli	nade_ecoli	aspC	nadE
P0A9Q5	acca_ecoli	acca_ecoli	accd_ecoli	accA	accD
P0A9Q5	acca_ecoli	acca_ecoli	accd_ecoli	accA	accD
P0A9Q5	acca_ecoli	acca_ecoli	accd_ecoli	accA	accD
P0A6F5	acca_ecoli	acca_ecoli	ch60_ecoli	accA	groL
P0A6Y8	acca_ecoli	acca_ecoli	dnak_ecoli	accA	dnaK
P36553	acca_ecoli	acca_ecoli	hem6_ecoli	accA	hemF
P0A705	acca_ecoli	acca_ecoli	if2_ecoli	accA	infB
P0A717	acca_ecoli	acca_ecoli	kprs_ecoli	accA	prs
P0C018	acca_ecoli	acca_ecoli	rl18_ecoli	accA	rpIR
P61175	acca_ecoli	acca_ecoli	rl22_ecoli	accA	rpIV
P0ADZ0	acca_ecoli	acca_ecoli	rl23_ecoli	accA	rpIW
P60438	acca_ecoli	acca_ecoli	rl3_ecoli	accA	rpIC
P0A8N5	acca_ecoli	acca_ecoli	syk2_ecoli	accA	lysU
P0ABD5	accC_ecoli	accC_ecoli	acca_ecoli	accC	accA
P0A9Q5	accC_ecoli	accC_ecoli	accd_ecoli	accC	accD
P0ABD8	accC_ecoli	accC_ecoli	bccp_ecoli	accC	accB
P0ABD8	accC_ecoli	accC_ecoli	bccp_ecoli	accC	accB
P0ABD8	accC_ecoli	accC_ecoli	bccp_ecoli	accC	accB
P16703	accC_ecoli	accC_ecoli	cysm_ecoli	accC	cysM
P0A6Y8	accC_ecoli	accC_ecoli	dnak_ecoli	accC	dnaK
P0A988	accC_ecoli	accC_ecoli	dpo3b_ecoli	accC	dnaN
P0A6W5	accC_ecoli	accC_ecoli	grea_ecoli	accC	greA
P18843	accC_ecoli	accC_ecoli	nade_ecoli	accC	nadE
P60438	accC_ecoli	accC_ecoli	rl3_ecoli	accC	rpIC
P45768	accC_ecoli	accC_ecoli	yhdy_ecoli	accC	yhdY
P32160	accC_ecoli	accC_ecoli	yiiq_ecoli	accC	yiiQ
P32162	accC_ecoli	accC_ecoli	yiis_ecoli	accC	yiiS
P45465	accC_ecoli	accC_ecoli	yran_ecoli	accC	yraN
P33937	acea_ecoli	acea_ecoli	napa_ecoli	aceA	napA
P60906	acea_ecoli	acea_ecoli	syh_ecoli	aceA	hisS

P0AE08	acka_ecoli	ahpc_ecoli	ackA	ahpC
P0A6K3	acka_ecoli	def_ecoli	ackA	def
P0A9A9	acka_ecoli	fur_ecoli	ackA	fur
P0A825	acka_ecoli	glya_ecoli	ackA	glyA
P0A6W5	acka_ecoli	grea_ecoli	ackA	greA
P30128	acka_ecoli	greb_ecoli	ackA	greB
P09127	acka_ecoli	hemx_ecoli	ackA	hemX
P0AEW1	acka_ecoli	hyfe_ecoli	ackA	hyfE
P45395	acka_ecoli	kdsd_ecoli	ackA	kdsD
P0A738	acka_ecoli	moac_ecoli	ackA	moaC
P0A7M2	acka_ecoli	rl28_ecoli	ackA	rpmB
P24252	acka_ecoli	ybga_ecoli	ackA	ybgA
P18843	acon1_ecoli	nade_ecoli	acnA	nadE
P13458	acon2_ecoli	sbcc_ecoli	acnB	sbcC
P0A7F6	acon2_ecoli	sped_ecoli	acnB	speD
P69822	acon2_ecoli	ulab_ecoli	acnB	ulaB
P31119	acp_ecoli	aas_ecoli	acpP	aas
P0ABD5	acp_ecoli	acca_ecoli	acpP	accA
P24224	acp_ecoli	acps_ecoli	acpP	acpS
P24224	acp_ecoli	acps_ecoli	acpP	acpS
P0AB65	acp_ecoli	acyp_ecoli	acpP	yccX
P33224	acp_ecoli	aidb_ecoli	acpP	aidB
P33224	acp_ecoli	aidb_ecoli	acpP	aidB
P0ACF4	acp_ecoli	dbhb_ecoli	acpP	hupB
P0A9P0	acp_ecoli	dldh_ecoli	acpP	lpdA
P0A9P0	acp_ecoli	dldh_ecoli	acpP	lpdA
O32591	acp_ecoli	espP_ecolx	acpP	espP
P0A953	acp_ecoli	fabb_ecoli	acpP	fabB
P0A953	acp_ecoli	fabb_ecoli	acpP	fabB
P0AAI5	acp_ecoli	fabf_ecoli	acpP	fabF
P0AAI5	acp_ecoli	fabf_ecoli	acpP	fabF
P0AAI5	acp_ecoli	fabf_ecoli	acpP	fabF
P0AEK2	acp_ecoli	fabg_ecoli	acpP	fabG
P0AEK2	acp_ecoli	fabg_ecoli	acpP	fabG
P0A6R0	acp_ecoli	fabh_ecoli	acpP	fabH
P0A6Q6	acp_ecoli	fabz_ecoli	acpP	fabZ
P0ACC7	acp_ecoli	glmu_ecoli	acpP	glmU
P0ACC7	acp_ecoli	glmu_ecoli	acpP	glmU
Q47718	acp_ecoli	inso2_ecoli	acpP	insO2

P0A6B7	acp_ecoli	iscs_ecoli	acpP	iscS
P21645	acp_ecoli	lpxd_ecoli	acpP	lpxD
P21645	acp_ecoli	lpxd_ecoli	acpP	lpxD
P06993	acp_ecoli	malt_ecoli	acpP	malT
P22523	acp_ecoli	mukb_ecoli	acpP	mukB
P22523	acp_ecoli	mukb_ecoli	acpP	mukB
P0AFG8	acp_ecoli	odp1_ecoli	acpP	aceE
P06959	acp_ecoli	odp2_ecoli	acpP	aceF
P0A7A7	acp_ecoli	plsB_ecoli	acpP	plsB
P0A7A7	acp_ecoli	plsB_ecoli	acpP	plsB
P0AB89	acp_ecoli	pur8_ecoli	acpP	purB
P0AG40	acp_ecoli	ribf_ecoli	acpP	ribF
P02413	acp_ecoli	rl15_ecoli	acpP	rpIO
P61175	acp_ecoli	rl22_ecoli	acpP	rpIV
P0A7M2	acp_ecoli	rl28_ecoli	acpP	rpmB
P0A7S9	acp_ecoli	rs13_ecoli	acpP	rpsM
P02358	acp_ecoli	rs6_ecoli	acpP	rpsF
P02359	acp_ecoli	rs7_ecoli	acpP	rpsG
P02359	acp_ecoli	rs7_ecoli	acpP	rpsG
P0A7W7	acp_ecoli	rs8_ecoli	acpP	rpsH
P10408	acp_ecoli	seca_ecoli	acpP	secA
P10408	acp_ecoli	seca_ecoli	acpP	secA
P10408	acp_ecoli	seca_ecoli	acpP	secA
P0AG24	acp_ecoli	spot_ecoli	acpP	spoT
P0AG24	acp_ecoli	spot_ecoli	acpP	spoT
P0A8Z3	acp_ecoli	ybgc_ecoli	acpP	ybgC
P0A8Z3	acp_ecoli	ybgc_ecoli	acpP	ybgC
P0A8Z3	acp_ecoli	ybgc_ecoli	acpP	ybgC
P0A8Z3	acp_ecoli	ybgc_ecoli	acpP	ybgC
P0A8Z3	acp_ecoli	ybgc_ecoli	acpP	ybgC
P0AAV4	acp_ecoli	ybgj_ecoli	acpP	ybgJ
P0AGK4	acp_ecoli	yhby_ecoli	acpP	yhby
P0ADQ2	acp_ecoli	yiid_ecoli	acpP	yiiD
P0ADQ2	acp_ecoli	yiid_ecoli	acpP	yiiD
P13035	acrr_ecoli	glpd_ecoli	acrR	glpD
P23325	add_ecoli	arpa_ecoli	add	arpA
P15877	add_ecoli	dhg_ecoli	add	gcd
P15042	add_ecoli	dnlj_ecoli	add	ligA
P19776	add_ecoli	insc_ecoli	add	insC7
P0A7L3	add_ecoli	rl20_ecoli	add	rpIT
P0A7S9	add_ecoli	rs13_ecoli	add	rpsM

P00722	adhe_ecoli	bgal_ecoli	adhE	lacZ
P76056	adhe_ecoli	intr_ecoli	adhE	intrR
P18843	adhe_ecoli	nade_ecoli	adhE	nadE
P60422	adhe_ecoli	rl2_ecoli	adhE	rplB
P0A7M2	adhe_ecoli	rl28_ecoli	adhE	rpmB
P0A7V0	adhe_ecoli	rs2_ecoli	adhE	rpsB
P0AA43	adhe_ecoli	rsua_ecoli	adhE	rsuA
P0A6X3	agp_ecoli	hfq_ecoli	agp	hfq
P08337	agp_ecoli	mutt_ecoli	agp	mutT
P64574	agp_ecoli	yghw_ecoli	agp	yghW
P00722	ahpc_ecoli	bgal_ecoli	ahpC	lacZ
P08394	ahpc_ecoli	ex5b_ecoli	ahpC	recB
P37689	ahpc_ecoli	gpml_ecoli	ahpC	gpml
P0A799	ahpc_ecoli	pgk_ecoli	ahpC	pgk
P16918	ahpc_ecoli	rhsc_ecoli	ahpC	rhcC
P24211	ahpc_ecoli	rhse_ecoli	ahpC	rhcE
P46850	ahpc_ecoli	rtcb_ecoli	ahpC	rtcB
Q79BD2	ahpf_ecoli	q79bd2_ecolx	ahpF	-
P76161	ahpf_ecoli	req2_ecoli	ahpF	quuQ
P78271	ahpf_ecoli	yfes_ecoli	ahpF	yfeS
P0A6F5	aidb_ecoli	ch60_ecoli	aidB	groL
P0A6F5	aidb_ecoli	ch60_ecoli	aidB	groL
P0A6Y8	aidb_ecoli	dnak_ecoli	aidB	dnaK
P0A6Y8	aidb_ecoli	dnak_ecoli	aidB	dnaK
P67910	aidb_ecoli	hldd_ecoli	aidB	hldD
P06959	aidb_ecoli	odp2_ecoli	aidB	aceF
P06959	aidb_ecoli	odp2_ecoli	aidB	aceF
P0A7L0	aidb_ecoli	rl1_ecoli	aidB	rplA
P0AA10	aidb_ecoli	rl13_ecoli	aidB	rplM
P0A7K6	aidb_ecoli	rl19_ecoli	aidB	rplS
P0AG48	aidb_ecoli	rl21_ecoli	aidB	rplU
P61175	aidb_ecoli	rl22_ecoli	aidB	rplV
P0A7M2	aidb_ecoli	rl28_ecoli	aidB	rpmB
P60438	aidb_ecoli	rl3_ecoli	aidB	rplC
P60438	aidb_ecoli	rl3_ecoli	aidB	rplC
P0A7S3	aidb_ecoli	rs12_ecoli	aidB	rpsL
P0AG59	aidb_ecoli	rs14_ecoli	aidB	rpsN
P0A7U3	aidb_ecoli	rs19_ecoli	aidB	rpsS

P0A7V0	aidb_ecoli	rs2_ecoli	aidB	rpsB
P0A7U7	aidb_ecoli	rs20_ecoli	aidB	rpsT
P0A7V8	aidb_ecoli	rs4_ecoli	aidB	rpsD
P0A7W1	aidb_ecoli	rs5_ecoli	aidB	rpsE
P02358	aidb_ecoli	rs6_ecoli	aidB	rpsF
P02359	aidb_ecoli	rs7_ecoli	aidB	rpsG
P0AGK4	aidb_ecoli	yhby_ecoli	aidB	yhbY
P0AF90	aidb_ecoli	yjgd_ecoli	aidB	yjgD
P35340	ak1h_ecoli	ahpf_ecoli	thrA	ahpF
P13035	ak1h_ecoli	glpd_ecoli	thrA	glpD
P0A6Y8	alf_ecoli	dnak_ecoli	fbaA	dnaK
P0A6Y8	alf_ecoli	dnak_ecoli	fbaA	dnaK
P61949	alf_ecoli	flav_ecoli	fbaA	fldA
P0A7V0	alf_ecoli	rs2_ecoli	fbaA	rpsB
P08956	alf_ecoli	t1rk_ecoli	fbaA	hsdR
P0ACR7	alf_ecoli	yfer_ecoli	fbaA	yfeR
P08622	alf1_ecoli	dnaj_ecoli	fbaB	dnaJ
P0A6Y8	alf1_ecoli	dnak_ecoli	fbaB	dnaK
P77395	alf1_ecoli	ybbn_ecoli	fbaB	ybbN
P77395	alf1_ecoli	ybbn_ecoli	fbaB	ybbN
P00722	alkh_ecoli	bgal_ecoli	eda	lacZ
P06611	alkh_ecoli	btud_ecoli	eda	btuD
P0A6F5	alkh_ecoli	ch60_ecoli	eda	groL
P31678	alkh_ecoli	otsb_ecoli	eda	otsB
P16916	alkh_ecoli	rhsa_ecoli	eda	rhsA
P60422	alkh_ecoli	rl2_ecoli	eda	rplB
P75989	alkh_ecoli	ycge_ecoli	eda	ycgE
POC8K0	allc_ecoli	kbaz_ecoli	allC	kbaZ
P18843	allc_ecoli	nade_ecoli	allC	nadE
P0A7U7	allc_ecoli	rs20_ecoli	allC	rpsT
P0A870	allc_ecoli	talb_ecoli	allC	talB
P0AED5	allc_ecoli	uvry_ecoli	allC	uvrY
P0ACF0	allr_ecoli	dbha_ecoli	allR	hupA
P0AC41	allr_ecoli	dhsa_ecoli	allR	sdhA
P0A6F3	allr_ecoli	glpk_ecoli	allR	glpK
P0A7L0	allr_ecoli	rl1_ecoli	allR	rplA
POC018	allr_ecoli	rl18_ecoli	allR	rplR

P0A7K6	allr_ecoli	rl19_ecoli	allR	rplS
P60422	allr_ecoli	rl2_ecoli	allR	rplB
P0AG48	allr_ecoli	rl21_ecoli	allR	rplU
P60624	allr_ecoli	rl24_ecoli	allR	rplX
P0AG71	allr_ecoli	rmuc_ecoli	allR	rmuC
P0A7S3	allr_ecoli	rs12_ecoli	allR	rpsL
P0A7S9	allr_ecoli	rs13_ecoli	allR	rpsM
P0AG59	allr_ecoli	rs14_ecoli	allR	rpsN
P0ADZ4	allr_ecoli	rs15_ecoli	allR	rpsO
P0A7W1	allr_ecoli	rs5_ecoli	allR	rpsE
P02358	allr_ecoli	rs6_ecoli	allR	rpsF
P02359	allr_ecoli	rs7_ecoli	allR	rpsG
P0A843	allr_ecoli	tate_ecoli	allR	tatE
P18843	amia_ecoli	nade_ecoli	amiA	nadE
P60723	amia_ecoli	rl4_ecoli	amiA	rplD
P0A6F5	amn_ecoli	ch60_ecoli	amn	groL
P37024	amn_ecoli	hrpb_ecoli	amn	hrpB
P0AD96	amn_ecoli	livj_ecoli	amn	livJ
P77257	amn_ecoli	lsra_ecoli	amn	lsrA
P17888	amn_ecoli	pria_ecoli	amn	priA
P10408	amn_ecoli	seca_ecoli	amn	secA
P00722	ampa_ecoli	bgal_ecoli	pepA	lacZ
P0AFG6	ampa_ecoli	odo2_ecoli	pepA	sucB
P0A786	ampa_ecoli	pyrb_ecoli	pepA	pyrB
P0A9P6	ampm_ecoli	dead_ecoli	map	deaD
P04425	ampm_ecoli	gshb_ecoli	map	gshB
P77791	ampm_ecoli	maa_ecoli	map	maa
P76398	ampm_ecoli	mdtb_ecoli	map	mdtB
P15032	ampm_ecoli	rece_ecoli	map	recE
P0AA10	ampm_ecoli	rl13_ecoli	map	rplM
P0A7K6	ampm_ecoli	rl19_ecoli	map	rplS
P61175	ampm_ecoli	rl22_ecoli	map	rplV
P0ADZ0	ampm_ecoli	rl23_ecoli	map	rplW
P0A7M2	ampm_ecoli	rl28_ecoli	map	rplB
P0A7N9	ampm_ecoli	rl33_ecoli	map	rplG

P60723	ampm_ecoli	rl4_ecoli	map	rplD
P0A7K2	ampm_ecoli	rl7_ecoli	map	rplL
P0A7R1	ampm_ecoli	rl9_ecoli	map	rplI
P0A7R5	ampm_ecoli	rs10_ecoli	map	rpsJ
P0A7T3	ampm_ecoli	rs16_ecoli	map	rpsP
P0A7V0	ampm_ecoli	rs2_ecoli	map	rpsB
P0A7U7	ampm_ecoli	rs20_ecoli	map	rpsT
P0A7W1	ampm_ecoli	rs5_ecoli	map	rpsE
P0ACT6	ampm_ecoli	uidr_ecoli	map	uidR
P76245	ampm_ecoli	yeap_ecoli	map	yeaP
P0AGK4	ampm_ecoli	yhby_ecoli	map	yhby
P0A6F5	ampn_ecoli	ch60_ecoli	pepN	groL
P77329	ampn_ecoli	hyfg_ecoli	pepN	hyfG
P0AA43	ampn_ecoli	rsua_ecoli	pepN	rsuA
P42592	ampn_ecoli	ygjk_ecoli	pepN	ygjK
P45568	apt_ecoli	dxr_ecoli	apt	dxr
P0C8J8	apt_ecoli	gatz_ecoli	apt	gatz
P0AF06	apt_ecoli	motb_ecoli	apt	motB
P0A717	arca_ecoli	kprs_ecoli	arcA	prs
P0A6F5	arob_ecoli	ch60_ecoli	aroB	groL
P0AAJ3	arob_ecoli	fdnh_ecoli	aroB	fdnH
P39369	arob_ecoli	yjhr_ecoli	aroB	yjhR
P18843	aroe_ecoli	nade_ecoli	aroE	nadE
P31064	aroe_ecoli	yede_ecoli	aroE	yedE
P45545	aroe_ecoli	yhfs_ecoli	aroE	yhfs
P0ADY3	arom_ecoli	rl14_ecoli	aroM	rplN
P0A7M2	arom_ecoli	rl28_ecoli	aroM	rpmB
P0A8D3	arom_ecoli	yaii_ecoli	aroM	yaiI

P23721	asna_ecoli	serc_ecoli	asnA	serC
P31658	asnc_ecoli	hcha_ecoli	asnC	hchA
P37246	aspg2_ecoli	insi_ecoli	ansB	insI1
P25535	aspg2_ecoli	visc_ecoli	ansB	visC
P0ABB4	atpa_ecoli	atpb_ecoli	atpA	atpD
P0ABB4	atpa_ecoli	atpb_ecoli	atpA	atpD
P0ABB4	atpa_ecoli	atpb_ecoli	atpA	atpD
P0ABB4	atpa_ecoli	atpb_ecoli	atpA	atpD
P0ABB4	atpa_ecoli	atpb_ecoli	atpA	atpD
P0ABA0	atpa_ecoli	atpf_ecoli	atpA	atpF
P0ABA6	atpa_ecoli	atpg_ecoli	atpA	atpG
P0ABA6	atpa_ecoli	atpg_ecoli	atpA	atpG
P68699	atpa_ecoli	atpl_ecoli	atpA	atpE
P0A6J5	atpa_ecoli	dada_ecoli	atpA	dadA
P0A6J5	atpa_ecoli	dada_ecoli	atpA	dadA
P0ACC7	atpa_ecoli	glmu_ecoli	atpA	glmU
P37095	atpa_ecoli	pepb_ecoli	atpA	pepB
P0A7E1	atpa_ecoli	pyrd_ecoli	atpA	pyrD
P0A7E1	atpa_ecoli	pyrd_ecoli	atpA	pyrD
P0A7L0	atpa_ecoli	rl1_ecoli	atpA	rplA
P0A7R1	atpa_ecoli	rl9_ecoli	atpA	rplI
P37744	atpa_ecoli	rmla1_ecoli	atpA	rmlA1
P0ABB0	atpb_ecoli	atpa_ecoli	atpD	atpA
P0ABB0	atpb_ecoli	atpa_ecoli	atpD	atpA
P0A9A6	atpb_ecoli	ftsz_ecoli	atpD	ftsZ
P13035	atpb_ecoli	glpd_ecoli	atpD	glpD
P0A7G6	atpb_ecoli	reca_ecoli	atpD	recA
P0AG30	atpb_ecoli	rho_ecoli	atpD	rho
P62399	atpb_ecoli	rl5_ecoli	atpD	rplE
P0AG55	atpb_ecoli	rl6_ecoli	atpD	rplF
P0A7V0	atpb_ecoli	rs2_ecoli	atpD	rpsB
P0ABB0	atpg_ecoli	atpa_ecoli	atpG	atpA
P0ABB0	atpg_ecoli	atpa_ecoli	atpG	atpA
P0ABB4	atpg_ecoli	atpb_ecoli	atpG	atpD
P0A6E6	atpg_ecoli	atpe_ecoli	atpG	atpC
P0A6E6	atpg_ecoli	atpe_ecoli	atpG	atpC

P0ADZ0	atpg_ecoli	rl23_ecoli	atpG	rpIW
P63284	atzn_ecoli	clpb_ecoli	zntA	clpB
P15031	atzn_ecoli	fece_ecoli	zntA	fecE
P09831	atzn_ecoli	gltb_ecoli	zntA	gltB
P0A9M0	atzn_ecoli	lon_ecoli	zntA	lon
P0A870	atzn_ecoli	talb_ecoli	zntA	talB
P27836	atzn_ecoli	wecg_ecoli	zntA	wecG
P76344	atzn_ecoli	yoda_ecoli	zntA	yodA
P0A717	basr_ecoli	kprs_ecoli	basR	prs
P0AA43	basr_ecoli	rsua_ecoli	basR	rsuA
P15082	basr_ecoli	srlr_ecoli	basR	srlR
P76177	basr_ecoli	ydgh_ecoli	basR	ydgH
P05194	bcp_ecoli	arod_ecoli	bcp	aroD
P0A9F3	bcp_ecoli	cysb_ecoli	bcp	cysB
P08409	bcp_ecoli	insl_ecoli	bcp	insL1
P08409	bcp_ecoli	insl_ecoli	bcp	insL1
P18843	bcp_ecoli	nade_ecoli	bcp	nadE
P39406	bcp_ecoli	rsmc_ecoli	bcp	rsmC
P0A8N0	bcp_ecoli	ycbg_ecoli	bcp	ycbG
P08394	betb_ecoli	ex5b_ecoli	betB	recB
P0ACB4	betb_ecoli	hemg_ecoli	betB	hemG
P16690	betb_ecoli	phnn_ecoli	betB	phnN
P16916	betb_ecoli	rhsa_ecoli	betB	rhsA
P0A948	betb_ecoli	rimj_ecoli	betB	rimJ
P37765	betb_ecoli	rlub_ecoli	betB	rluB
P50456	bfr_ecoli	mlc_ecoli	bfr	mlc
P08373	bfr_ecoli	murb_ecoli	bfr	murB
P10443	bgla_ecoli	dpo3a_ecoli	bgIA	dnaE
P18843	bgla_ecoli	nade_ecoli	bgIA	nadE

P0A6F5	bioa_ecoli	ch60_ecoli	bioA	groL
P10443	bioa_ecoli	dpo3a_ecoli	bioA	dnaE
P0A717	bioa_ecoli	kprs_ecoli	bioA	prs
P33602	bioa_ecoli	nuog_ecoli	bioA	nuoG

P0A6Y8	biob_ecoli	dnak_ecoli	bioB	dnaK
P18843	biob_ecoli	nade_ecoli	bioB	nadE

P0A6F5	bioh_ecoli	ch60_ecoli	bioH	groL
P0AC53	bioh_ecoli	g6pd_ecoli	bioH	zwf
P0AFG6	bioh_ecoli	odo2_ecoli	bioH	sucB

P0A6F5	btue_ecoli	ch60_ecoli	btuE	groL
P08622	btue_ecoli	dnaj_ecoli	btuE	dnaJ
P0A8J2	btue_ecoli	dnat_ecoli	btuE	dnaT
P0AD68	btue_ecoli	ftsi_ecoli	btuE	ftsl
P75958	btue_ecoli	lole_ecoli	btuE	lolE
P18843	btue_ecoli	nade_ecoli	btuE	nadE
P60422	btue_ecoli	rl2_ecoli	btuE	rplB
P62399	btue_ecoli	rl5_ecoli	btuE	rplE
P0A7V0	btue_ecoli	rs2_ecoli	btuE	rpsB
P0A7V3	btue_ecoli	rs3_ecoli	btuE	rpsC
P0A7W1	btue_ecoli	rs5_ecoli	btuE	rpsE
P21363	btue_ecoli	ycie_ecoli	btuE	yciE
P76121	btue_ecoli	yddh_ecoli	btuE	yddH
P52043	btue_ecoli	ygfH_ecoli	btuE	ygfH
P67601	btue_ecoli	yobd_ecoli	btuE	yobD

P0AC41	caib_ecoli	dhsa_ecoli	caiB	sdhA
P06149	caib_ecoli	dld_ecoli	caiB	dld
P16916	caib_ecoli	rhsa_ecoli	caiB	rhsA
P16919	caib_ecoli	rhds_ecoli	caiB	rhsD

P0A6F5	cate_ecoli	ch60_ecoli	katE	groL
P08394	cate_ecoli	ex5b_ecoli	katE	recB
P0A9A9	cate_ecoli	fur_ecoli	katE	fur
P27249	cate_ecoli	glnD_ecoli	katE	glnD
P30015	cate_ecoli	lhr_ecoli	katE	lhr
P24174	cate_ecoli	manc_ecoli	katE	manC
P75864	cate_ecoli	rlmI_ecoli	katE	rlmL

P76148	cate_ecoli	yneg_ecoli	katE	yneG
P33224	cbpa_ecoli	aidb_ecoli	cbpA	aidB
P0A6F5	cbpa_ecoli	ch60_ecoli	cbpA	groL
P0ABH9	cbpa_ecoli	clpa_ecoli	cbpA	clpA
P63284	cbpa_ecoli	clpb_ecoli	cbpA	clpB
P0A9P6	cbpa_ecoli	dead_ecoli	cbpA	deaD
P0A6Y8	cbpa_ecoli	dnak_ecoli	cbpA	dnaK
P0A6Y8	cbpa_ecoli	dnak_ecoli	cbpA	dnaK
P0A6Y8	cbpa_ecoli	dnak_ecoli	cbpA	dnaK
P0CE47	cbpa_ecoli	eftu1_ecoli	cbpA	tufA
P0A6Q6	cbpa_ecoli	fabz_ecoli	cbpA	fabZ
P0A6Z1	cbpa_ecoli	hsca_ecoli	cbpA	hscA
P0A707	cbpa_ecoli	if3_ecoli	cbpA	infC
P0A9M0	cbpa_ecoli	lon_ecoli	cbpA	lon
P0A817	cbpa_ecoli	metk_ecoli	cbpA	metK
P22523	cbpa_ecoli	mukb_ecoli	cbpA	mukB
P18843	cbpa_ecoli	nade_ecoli	cbpA	nadE
P42184	cbpa_ecoli	prsa_ecolx	cbpA	prsA
P0A9J6	cbpa_ecoli	rbsk_ecoli	cbpA	rbsK
P0AG30	cbpa_ecoli	rho_ecoli	cbpA	rho
P0A7L0	cbpa_ecoli	rl1_ecoli	cbpA	rplA
P0A7K6	cbpa_ecoli	rl19_ecoli	cbpA	rplS
P60422	cbpa_ecoli	rl2_ecoli	cbpA	rplB
P60422	cbpa_ecoli	rl2_ecoli	cbpA	rplB
P61175	cbpa_ecoli	rl22_ecoli	cbpA	rplV
P60624	cbpa_ecoli	rl24_ecoli	cbpA	rplX
P0A7M6	cbpa_ecoli	rl29_ecoli	cbpA	rpmC
P60438	cbpa_ecoli	rl3_ecoli	cbpA	rplC
P0A7N9	cbpa_ecoli	rl33_ecoli	cbpA	rpmG
P60723	cbpa_ecoli	rl4_ecoli	cbpA	rplD
P60723	cbpa_ecoli	rl4_ecoli	cbpA	rplD
P62399	cbpa_ecoli	rl5_ecoli	cbpA	rplE
P0AG55	cbpa_ecoli	rl6_ecoli	cbpA	rplF
P0A7K2	cbpa_ecoli	rl7_ecoli	cbpA	rplL
P0A7R1	cbpa_ecoli	rl9_ecoli	cbpA	rplI
P0A8T7	cbpa_ecoli	rpoc_ecoli	cbpA	rpoC
P0AG67	cbpa_ecoli	rs1_ecoli	cbpA	rpsA
P0A7S9	cbpa_ecoli	rs13_ecoli	cbpA	rpsM
P0A7T3	cbpa_ecoli	rs16_ecoli	cbpA	rpsP
P0A7V0	cbpa_ecoli	rs2_ecoli	cbpA	rpsB
P0A7V0	cbpa_ecoli	rs2_ecoli	cbpA	rpsB
P0A7V3	cbpa_ecoli	rs3_ecoli	cbpA	rpsC
P0A7V8	cbpa_ecoli	rs4_ecoli	cbpA	rpsD
P0A7W1	cbpa_ecoli	rs5_ecoli	cbpA	rpsE

P02359	cbpa_ecoli	rs7_ecoli	cbpA	rpsG
P02359	cbpa_ecoli	rs7_ecoli	cbpA	rpsG
P21507	cbpa_ecoli	srmb_ecoli	cbpA	srmB
P45531	cbpa_ecoli	tusc_ecoli	cbpA	tusC
P0AG80	cbpa_ecoli	ugpb_ecoli	cbpA	ugpB
P77625	cbpa_ecoli	yfbt_ecoli	cbpA	yfbT
P30871	cbpa_ecoli	ygif_ecoli	cbpA	ygiF
P39279	cbpa_ecoli	yjej_ecoli	cbpA	yjeJ
P39293	cbpa_ecoli	yjfk_ecoli	cbpA	yjfK

P13024	cdh_ecoli	fdhe_ecoli	cdh	fdhE
P00393	cdh_ecoli	dhna_ecoli	cdh	ndh

P11899	cead_ecolx	immd_ecoli	cda	cdi
P37024	cfa_ecoli	hrpb_ecoli	cfa	hrpB

P0A6Y8	ch10_ecoli	dnak_ecoli	groS	dnaK
P0A6Y8	ch10_ecoli	dnak_ecoli	groS	dnaK
P0A6M8	ch10_ecoli	efg_ecoli	groS	fusA
P0AEL6	ch10_ecoli	fepb_ecoli	groS	fepB
P0A6V5	ch10_ecoli	glpe_ecoli	groS	glpE
P67910	ch10_ecoli	hldd_ecoli	groS	hldD
P67910	ch10_ecoli	hldd_ecoli	groS	hldD
P0A6Z3	ch10_ecoli	htpg_ecoli	groS	htpG
P0AEX9	ch10_ecoli	male_ecoli	groS	malE
P0AEX9	ch10_ecoli	male_ecoli	groS	malE
P0AEZ3	ch10_ecoli	mind_ecoli	groS	minD
P0A9X4	ch10_ecoli	mreb_ecoli	groS	mreB
P18843	ch10_ecoli	nade_ecoli	groS	nadE
P0A772	ch10_ecoli	nrld_ecoli	groS	nrld
P0A9K9	ch10_ecoli	slyd_ecoli	groS	slyD
P76194	ch10_ecoli	sufe_ecoli	groS	sufE
P0A850	ch10_ecoli	tig_ecoli	groS	tig

P0A850	ch10_ecoli	tig_ecoli	groS	tig
P77504	ch10_ecoli	ybbp_ecoli	groS	ybbP
P63284	ch60_ecoli	clpb_ecoli	groL	clpB
P0A6Y8	ch60_ecoli	dnak_ecoli	groL	dnaK
P0C8J6	ch60_ecoli	gaty_ecoli	groL	gatY
P0A6V5	ch60_ecoli	glpe_ecoli	groL	glpE
P09372	ch60_ecoli	grpe_ecoli	groL	grpE
P0A9M0	ch60_ecoli	lon_ecoli	groL	lon
P0AEX9	ch60_ecoli	male_ecoli	groL	maleE
P0AEX9	ch60_ecoli	male_ecoli	groL	maleE
P0AEX9	ch60_ecoli	male_ecoli	groL	maleE
P61889	ch60_ecoli	mdh_ecoli	groL	mdh
P09152	ch60_ecoli	narg_ecoli	groL	narG
P33602	ch60_ecoli	nuog_ecoli	groL	nuoG
P0A7E1	ch60_ecoli	pyrd_ecoli	groL	pyrD
P16916	ch60_ecoli	rhsa_ecoli	groL	rhsA
P0A8T7	ch60_ecoli	rpoc_ecoli	groL	rpoC
P0AFR0	ch60_ecoli	rssa_ecoli	groL	rssA
P0A850	ch60_ecoli	tig_ecoli	groL	tig
P39177	ch60_ecoli	uspg_ecoli	groL	uspG
P77395	ch60_ecoli	ybbn_ecoli	groL	ybbN
P76010	ch60_ecoli	ycgr_ecoli	groL	ycgR
P28638	ch60_ecoli	yhdj_ecoli	groL	yhdJ
P0ADK6	ch60_ecoli	yiba_ecoli	groL	yibA
P39288	ch60_ecoli	yjes_ecoli	groL	yjeS
P0A6F5	cisy_ecoli	ch60_ecoli	gltA	groL
P0AD61	cisy_ecoli	kpyk1_ecoli	gltA	pykF
P77188	cisy_ecoli	matc_ecoli	gltA	matC
P18843	cisy_ecoli	nade_ecoli	gltA	nadE
P0A6F5	citc_ecoli	ch60_ecoli	citC	groL
P0A6G5	citc_ecoli	citx_ecoli	citC	citX
P27296	citc_ecoli	ding_ecoli	citC	dinG
P0A9M0	citc_ecoli	lon_ecoli	citC	lon
P16918	citc_ecoli	rhsc_ecoli	citC	rhcC
P0AEC5	clpa_ecoli	bara_ecoli	clpA	barA
P0AE67	clpa_ecoli	chey_ecoli	clpA	cheY
P0A8Q6	clpa_ecoli	clps_ecoli	clpA	clpS
P0A8Q6	clpa_ecoli	clps_ecoli	clpA	clpS
P0A8Q6	clpa_ecoli	clps_ecoli	clpA	clpS

P0A8Q6	clpa_ecoli	clps_ecoli	clpA	clpS
P0A8Q6	clpa_ecoli	clps_ecoli	clpA	clpS
P0A6Y8	clpa_ecoli	dnak_ecoli	clpA	dnaK
P0CE47	clpa_ecoli	eftu1_ecoli	clpA	tufA
P0AAJ3	clpa_ecoli	fdnh_ecoli	clpA	fdnH
P06971	clpa_ecoli	fhua_ecoli	clpA	fhua
P0A9H3	clpa_ecoli	ldci_ecoli	clpA	cadA
P22523	clpa_ecoli	mukb_ecoli	clpA	mukB
P18843	clpa_ecoli	nade_ecoli	clpA	nadE
P0A7B1	clpa_ecoli	ppk_ecoli	clpA	ppk
P14175	clpa_ecoli	prov_ecoli	clpA	proV
P15254	clpa_ecoli	pur4_ecoli	clpA	purL
P0AG30	clpa_ecoli	rho_ecoli	clpA	rho
P0AG30	clpa_ecoli	rho_ecoli	clpA	rho
P16918	clpa_ecoli	rhsc_ecoli	clpA	rhcC
P0A7J3	clpa_ecoli	rl10_ecoli	clpA	rplJ
P0AA10	clpa_ecoli	rl13_ecoli	clpA	rplM
P0AG44	clpa_ecoli	rl17_ecoli	clpA	rplQ
P0C018	clpa_ecoli	rl18_ecoli	clpA	rplR
P60422	clpa_ecoli	rl2_ecoli	clpA	rplB
P0AG48	clpa_ecoli	rl21_ecoli	clpA	rplU
P0A7L8	clpa_ecoli	rl27_ecoli	clpA	rpmA
P0A7M6	clpa_ecoli	rl29_ecoli	clpA	rpmC
P60438	clpa_ecoli	rl3_ecoli	clpA	rplC
P0A7N9	clpa_ecoli	rl33_ecoli	clpA	rpmG
P60723	clpa_ecoli	rl4_ecoli	clpA	rplD
P62399	clpa_ecoli	rl5_ecoli	clpA	rplE
P0A7K2	clpa_ecoli	rl7_ecoli	clpA	rplL
P0A7R1	clpa_ecoli	rl9_ecoli	clpA	rplI
P0A8V2	clpa_ecoli	rpob_ecoli	clpA	rpoB
P0A8T7	clpa_ecoli	rpoc_ecoli	clpA	rpoC
P0AG67	clpa_ecoli	rs1_ecoli	clpA	rpsA
P0AG67	clpa_ecoli	rs1_ecoli	clpA	rpsA
P0A7R5	clpa_ecoli	rs10_ecoli	clpA	rpsJ
P0AG59	clpa_ecoli	rs14_ecoli	clpA	rpsN
P0A7T3	clpa_ecoli	rs16_ecoli	clpA	rpsP
P0A7V0	clpa_ecoli	rs2_ecoli	clpA	rpsB
P0A7V0	clpa_ecoli	rs2_ecoli	clpA	rpsB
P68679	clpa_ecoli	rs21_ecoli	clpA	rpsU
P0A7V8	clpa_ecoli	rs4_ecoli	clpA	rpsD
P02358	clpa_ecoli	rs6_ecoli	clpA	rpsF
P02359	clpa_ecoli	rs7_ecoli	clpA	rpsG
P02359	clpa_ecoli	rs7_ecoli	clpA	rpsG
P13458	clpa_ecoli	sbcc_ecoli	clpA	sbccC
P10408	clpa_ecoli	seca_ecoli	clpA	secA

P0AG24	clpa_ecoli	spot_ecoli	clpA	spoT
P0AAQ6	clpa_ecoli	ybaa_ecoli	clpA	ybaA
P75826	clpa_ecoli	ybje_ecoli	clpA	ybjE
P08245	clpa_ecoli	ycih_ecoli	clpA	yciH
P30871	clpa_ecoli	ygif_ecoli	clpA	ygiF
P0AGK4	clpa_ecoli	yhby_ecoli	clpA	yhbY
P00722	clpb_ecoli	bgal_ecoli	clpB	lacZ
P0ABL8	clpb_ecoli	ccmb_ecoli	clpB	ccmB
P0AC41	clpb_ecoli	dhsa_ecoli	clpB	sdhA
P0A6Y8	clpb_ecoli	dnak_ecoli	clpB	dnaK
P0CE47	clpb_ecoli	eftu1_ecoli	clpB	tufA
P30855	clpb_ecoli	evgs_ecoli	clpB	evgS
P75884	clpb_ecoli	gfcB_ecoli	clpB	gfcB
P0A705	clpb_ecoli	if2_ecoli	clpB	infB
P37005	clpb_ecoli	last_ecoli	clpB	lasT
P37330	clpb_ecoli	masz_ecoli	clpB	glcB
P18843	clpb_ecoli	nade_ecoli	clpB	nadE
P0AFJ5	clpb_ecoli	phob_ecoli	clpB	phoB
P37177	clpb_ecoli	pt1p_ecoli	clpB	ptsP
P69829	clpb_ecoli	ptsn_ecoli	clpB	ptsN
P09546	clpb_ecoli	puta_ecoli	clpB	putA
P0AA10	clpb_ecoli	rl13_ecoli	clpB	rplM
P60422	clpb_ecoli	rl2_ecoli	clpB	rplB
P0AG48	clpb_ecoli	rl21_ecoli	clpB	rplU
P61175	clpb_ecoli	rl22_ecoli	clpB	rplV
P0A7M6	clpb_ecoli	rl29_ecoli	clpB	rpmC
P60438	clpb_ecoli	rl3_ecoli	clpB	rplC
P0A8V0	clpb_ecoli	rnz_ecoli	clpB	rnz
P0AG67	clpb_ecoli	rs1_ecoli	clpB	rpsA
P0A7R5	clpb_ecoli	rs10_ecoli	clpB	rpsJ
P0AG59	clpb_ecoli	rs14_ecoli	clpB	rpsN
P0A7V0	clpb_ecoli	rs2_ecoli	clpB	rpsB
P02359	clpb_ecoli	rs7_ecoli	clpB	rpsG
P0A7W7	clpb_ecoli	rs8_ecoli	clpB	rpsH
P0AGH5	clpb_ecoli	sapc_ecoli	clpB	sapC
P00957	clpb_ecoli	sya_ecoli	clpB	alaS
P30139	clpb_ecoli	thig_ecoli	clpB	thiG
Q47706	clpb_ecoli	uidc_ecoli	clpB	uidC
P39306	clpb_ecoli	ulaf_ecoli	clpB	ulaF
P77694	clpb_ecoli	yagw_ecoli	clpB	yagW
P77561	clpb_ecoli	ydep_ecoli	clpB	ydeP
P0ADE6	clpb_ecoli	ygau_ecoli	clpB	ygaU
P45546	clpb_ecoli	yhft_ecoli	clpB	yhfT
P32689	clpb_ecoli	yjbh_ecoli	clpB	yjbH

P0ABL5	cmoa_ecoli	napc_ecoli	cmoA	napC
P0A814	cmoa_ecoli	ruvc_ecoli	cmoA	ruvC
P75856	cmoa_ecoli	ycbr_ecoli	cmoA	ycbR

P60438	crp_ecoli	rl3_ecoli	crp	rplC
P0A7K2	crp_ecoli	rl7_ecoli	crp	rplL
P0A7R5	crp_ecoli	rs10_ecoli	crp	rpsJ
P0A7W1	crp_ecoli	rs5_ecoli	crp	rpsE

P0ABD5	cspc_ecoli	acca_ecoli	cspC	accA
P0ABD5	cspc_ecoli	acca_ecoli	cspC	accA
P0A9Q5	cspc_ecoli	accd_ecoli	cspC	accD
P33224	cspc_ecoli	aidb_ecoli	cspC	aidB
P33224	cspc_ecoli	aidb_ecoli	cspC	aidB
P0AE88	cspc_ecoli	cpxr_ecoli	cspC	cpxR
P08401	cspc_ecoli	crec_ecoli	cspC	creC
P0A968	cspc_ecoli	cspd_ecoli	cspC	cspD
P0A972	cspc_ecoli	cspe_ecoli	cspC	cspE
P0ACF0	cspc_ecoli	dbha_ecoli	cspC	hupA
P0ACF0	cspc_ecoli	dbha_ecoli	cspC	hupA
P0ACF4	cspc_ecoli	dbhb_ecoli	cspC	hupB
P0A9P6	cspc_ecoli	dead_ecoli	cspC	deaD
P0A9P6	cspc_ecoli	dead_ecoli	cspC	deaD
P08622	cspc_ecoli	dnaj_ecoli	cspC	dnaJ
P36837	cspc_ecoli	dtpb_ecoli	cspC	dtpB
P0ADI4	cspc_ecoli	entb_ecoli	cspC	entB
P30845	cspc_ecoli	epta_ecoli	cspC	eptA
P0A6F3	cspc_ecoli	glpk_ecoli	cspC	glpK
P77334	cspc_ecoli	gmr_ecoli	cspC	gmr
P0A6X3	cspc_ecoli	hfq_ecoli	cspC	hfq
P0ACF8	cspc_ecoli	hns_ecoli	cspC	hns
P43329	cspc_ecoli	hrpa_ecoli	cspC	hrpA
P0A9F9	cspc_ecoli	metr_ecoli	cspC	metR
P18843	cspc_ecoli	nade_ecoli	cspC	nadE
P05055	cspc_ecoli	pnp_ecoli	cspC	pnp
P77243	cspc_ecoli	prpd_ecoli	cspC	prpD
P09546	cspc_ecoli	puta_ecoli	cspC	putA
P69407	cspc_ecoli	rccb_ecoli	cspC	rccb

P05824	cspc_ecoli	recn_ecoli	cspC	recN
P27129	cspc_ecoli	rfaj_ecoli	cspC	rfaj
P25888	cspc_ecoli	rhle_ecoli	cspC	rhIE
P0AG30	cspc_ecoli	rho_ecoli	cspC	rho
P0AG30	cspc_ecoli	rho_ecoli	cspC	rho
P0A7L0	cspc_ecoli	rl1_ecoli	cspC	rpIA
P0A7L0	cspc_ecoli	rl1_ecoli	cspC	rpIA
P0A7L0	cspc_ecoli	rl1_ecoli	cspC	rpIA
P0AA10	cspc_ecoli	rl13_ecoli	cspC	rpIM
P0AA10	cspc_ecoli	rl13_ecoli	cspC	rpIM
P0C018	cspc_ecoli	rl18_ecoli	cspC	rpIR
P0A7K6	cspc_ecoli	rl19_ecoli	cspC	rpIS
P60422	cspc_ecoli	rl2_ecoli	cspC	rpIB
P60422	cspc_ecoli	rl2_ecoli	cspC	rpIB
P60422	cspc_ecoli	rl2_ecoli	cspC	rpIB
P0AG48	cspc_ecoli	rl21_ecoli	cspC	rpIU
P61175	cspc_ecoli	rl22_ecoli	cspC	rpIV
P0ADZ0	cspc_ecoli	rl23_ecoli	cspC	rpIW
P60624	cspc_ecoli	rl24_ecoli	cspC	rpIX
P60438	cspc_ecoli	rl3_ecoli	cspC	rpIC
P60438	cspc_ecoli	rl3_ecoli	cspC	rpIC
P60723	cspc_ecoli	rl4_ecoli	cspC	rpID
P60723	cspc_ecoli	rl4_ecoli	cspC	rpID
P62399	cspc_ecoli	rl5_ecoli	cspC	rpIE
P62399	cspc_ecoli	rl5_ecoli	cspC	rpIE
P0A7R1	cspc_ecoli	rl9_ecoli	cspC	rpII
P75864	cspc_ecoli	rlml_ecoli	cspC	rlmL
P37765	cspc_ecoli	rlub_ecoli	cspC	rluB
P0AA39	cspc_ecoli	rluc_ecoli	cspC	rluC
P75966	cspc_ecoli	rlue_ecoli	cspC	rluE
P21499	cspc_ecoli	rnrc_ecoli	cspC	rnrc
P0AG67	cspc_ecoli	rs1_ecoli	cspC	rpsA
P0AG67	cspc_ecoli	rs1_ecoli	cspC	rpsA
P0A7R5	cspc_ecoli	rs10_ecoli	cspC	rpsJ
P0A7S9	cspc_ecoli	rs13_ecoli	cspC	rpsM
P0A7S9	cspc_ecoli	rs13_ecoli	cspC	rpsM
P0AG59	cspc_ecoli	rs14_ecoli	cspC	rpsN
P0A7V0	cspc_ecoli	rs2_ecoli	cspC	rpsB
P0A7V0	cspc_ecoli	rs2_ecoli	cspC	rpsB
P0A7U7	cspc_ecoli	rs20_ecoli	cspC	rpsT
P0A7V3	cspc_ecoli	rs3_ecoli	cspC	rpsC
P0A7V3	cspc_ecoli	rs3_ecoli	cspC	rpsC
P0A7V8	cspc_ecoli	rs4_ecoli	cspC	rpsD
P0A7V8	cspc_ecoli	rs4_ecoli	cspC	rpsD
P0A7V8	cspc_ecoli	rs4_ecoli	cspC	rpsD

P0A7W1	cspc_ecoli	rs5_ecoli	cspC	rpsE
P0A7W1	cspc_ecoli	rs5_ecoli	cspC	rpsE
P02358	cspc_ecoli	rs6_ecoli	cspC	rpsF
P02359	cspc_ecoli	rs7_ecoli	cspC	rpsG
P02359	cspc_ecoli	rs7_ecoli	cspC	rpsG
P02359	cspc_ecoli	rs7_ecoli	cspC	rpsG
P0A7X3	cspc_ecoli	rs9_ecoli	cspC	rpsI
P36929	cspc_ecoli	rsmB_ecoli	cspC	rsmB
P06612	cspc_ecoli	top1_ecoli	cspC	topA
P39177	cspc_ecoli	uspG_ecoli	cspC	uspG
P75989	cspc_ecoli	ycgE_ecoli	cspC	ycgE
P76069	cspc_ecoli	yday_ecoli	cspC	ydaY
P76347	cspc_ecoli	yeeJ_ecoli	cspC	yeeJ
P0AGJ5	cspc_ecoli	yfiF_ecoli	cspC	yfiF
P0AGK4	cspc_ecoli	yhby_ecoli	cspC	yhby
P37634	cspc_ecoli	yhir_ecoli	cspC	yhiR
P37634	cspc_ecoli	yhir_ecoli	cspC	yhiR
P0ABD5	cspd_ecoli	acca_ecoli	cspD	accA
P24177	cspd_ecoli	acrd_ecoli	cspD	acrD
P0AC38	cspd_ecoli	aspa_ecoli	cspD	aspA
P0A9Y6	cspd_ecoli	cspc_ecoli	cspD	cspC
P0A9Y6	cspd_ecoli	cspc_ecoli	cspD	cspC
P0A972	cspd_ecoli	cspe_ecoli	cspD	cspE
P0ACF0	cspd_ecoli	dbha_ecoli	cspD	hupA
P0A6J8	cspd_ecoli	ddlA_ecoli	cspD	ddlA
P77308	cspd_ecoli	ddpb_ecoli	cspD	ddpB
P0A9P6	cspd_ecoli	dead_ecoli	cspD	deaD
P0AAG0	cspd_ecoli	dppd_ecoli	cspD	dppD
P0AFG8	cspd_ecoli	odp1_ecoli	cspD	aceE
P05055	cspd_ecoli	pnp_ecoli	cspD	pnp
P0AG30	cspd_ecoli	rho_ecoli	cspD	rho
P0A7L0	cspd_ecoli	rl1_ecoli	cspD	rplA
P0AA10	cspd_ecoli	rl13_ecoli	cspD	rplM
P0A7K6	cspd_ecoli	rl19_ecoli	cspD	rplS
P60422	cspd_ecoli	rl2_ecoli	cspD	rplB
P60624	cspd_ecoli	rl24_ecoli	cspD	rplX
P60438	cspd_ecoli	rl3_ecoli	cspD	rplC
P60438	cspd_ecoli	rl3_ecoli	cspD	rplC
P75864	cspd_ecoli	rlmI_ecoli	cspD	rlmL
P37765	cspd_ecoli	rlub_ecoli	cspD	rluB
P0AA39	cspd_ecoli	rluc_ecoli	cspD	rluC
P21499	cspd_ecoli	rnr_ecoli	cspD	rnr
P0AG67	cspd_ecoli	rs1_ecoli	cspD	rpsA
P0A7R5	cspd_ecoli	rs10_ecoli	cspD	rpsJ

P0A7S9	cspd_ecoli	rs13_ecoli	cspD	rpsM
P0AG59	cspd_ecoli	rs14_ecoli	cspD	rpsN
P0A7V0	cspd_ecoli	rs2_ecoli	cspD	rpsB
P0A7V0	cspd_ecoli	rs2_ecoli	cspD	rpsB
P0A7U7	cspd_ecoli	rs20_ecoli	cspD	rpsT
P68679	cspd_ecoli	rs21_ecoli	cspD	rpsU
P0A7V3	cspd_ecoli	rs3_ecoli	cspD	rpsC
P0A7V8	cspd_ecoli	rs4_ecoli	cspD	rpsD
P0A7V8	cspd_ecoli	rs4_ecoli	cspD	rpsD
P0A7W1	cspd_ecoli	rs5_ecoli	cspD	rpsE
P0A7W1	cspd_ecoli	rs5_ecoli	cspD	rpsE
P02359	cspd_ecoli	rs7_ecoli	cspD	rpsG
P02359	cspd_ecoli	rs7_ecoli	cspD	rpsG
P0AEU7	cspd_ecoli	skp_ecoli	cspD	skp
P25397	cspd_ecoli	tehb_ecoli	cspD	tehB
P0A8A4	cspd_ecoli	ydia_ecoli	cspD	ydiA
P0AGJ5	cspd_ecoli	yfif_ecoli	cspD	yfiF

P0ABK2	cyda_ecoli	cydb_ecoli	cydA	cydB
P0ADW3	cyda_ecoli	yhcb_ecoli	cydA	yhcb

P0A6Y8	cyns_ecoli	dnak_ecoli	cynS	dnaK
P04425	cyns_ecoli	gshb_ecoli	cynS	gshB
P0A717	cyns_ecoli	kprs_ecoli	cynS	prs

P33195	cysb_ecoli	gcsp_ecoli	cysB	gcvP
P33602	cysb_ecoli	nuog_ecoli	cysB	nuoG
P0A8M3	cysb_ecoli	syt_ecoli	cysB	thrS
P37626	cysb_ecoli	yhii_ecoli	cysB	yhil

P18843	cysg_ecoli	nade_ecoli	cysG	nadE
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P0A6F5	cysh_ecoli	ch60_ecoli	cysH	groL
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P0A7J0	cysj_ecoli	ribb_ecoli	cysJ	ribB
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P06149	cysk_ecoli	dld_ecoli	cysK	dld
P77188	cysk_ecoli	matc_ecoli	cysK	matC
P18843	cysk_ecoli	nade_ecoli	cysK	nadE
P16690	cysk_ecoli	phnn_ecoli	cysK	phnN
P60723	cysk_ecoli	rl4_ecoli	cysK	rplD
P0AGD3	cysk_ecoli	sodf_ecoli	cysK	sodB
P04805	cysk_ecoli	sye_ecoli	cysK	gtX

P00962	cysk_ecoli	syq_ecoli	cysK	glnS
P0A6Y8	cysp_ecoli	dnak_ecoli	cysP	dnaK
P18843	dapa_ecoli	nade_ecoli	dapA	nadE
P22525	dapa_ecoli	ycbb_ecoli	dapA	ycbB
P60651	dapd_ecoli	speb_ecoli	dapD	speB
P0A6F5	dape_ecoli	ch60_ecoli	dapE	groL
P07363	dbha_ecoli	chea_ecoli	hupA	cheA
P0ACF4	dbha_ecoli	dbhb_ecoli	hupA	hupB
P0A6Y8	dbha_ecoli	dnak_ecoli	hupA	dnaK
P0A6Y8	dbha_ecoli	dnak_ecoli	hupA	dnaK
P15977	dbha_ecoli	malq_ecoli	hupA	malQ
P0A772	dbha_ecoli	nrDI_ecoli	hupA	nrDI
P76773	dbha_ecoli	ompl_ecoli	hupA	ompl
P16690	dbha_ecoli	phnN_ecoli	hupA	phnN
P00490	dbha_ecoli	phsm_ecoli	hupA	malP
P02413	dbha_ecoli	rl15_ecoli	hupA	rplO
P60422	dbha_ecoli	rl2_ecoli	hupA	rplB
P60723	dbha_ecoli	rl4_ecoli	hupA	rplD
P37765	dbha_ecoli	rlub_ecoli	hupA	rluB
P0A7Z4	dbha_ecoli	rpoA_ecoli	hupA	rpoA
P0A7V8	dbha_ecoli	rs4_ecoli	hupA	rpsD
P75989	dbha_ecoli	ycgE_ecoli	hupA	ycgE
P08245	dbha_ecoli	yciH_ecoli	hupA	yciH
P0ACF0	dbhb_ecoli	dbha_ecoli	hupB	hupA
P0AC41	dbhb_ecoli	dhsA_ecoli	hupB	sdhA
P0A6Y8	dbhb_ecoli	dnak_ecoli	hupB	dnaK
P00582	dbhb_ecoli	dpo1_ecoli	hupB	polA

P00582	dbhb_ecoli	dpo1_ecoli	hupB	polA
P10443	dbhb_ecoli	dpo3a_ecoli	hupB	dnaE
P0A6R3	dbhb_ecoli	fis_ecoli	hupB	fis
P0A6W5	dbhb_ecoli	grea_ecoli	hupB	greA
P0ACF8	dbhb_ecoli	hns_ecoli	hupB	hns
P0A6Z3	dbhb_ecoli	htpg_ecoli	hupB	htpG
P0A6X7	dbhb_ecoli	ihfa_ecoli	hupB	ihfA
P0A6Y1	dbhb_ecoli	ihfb_ecoli	hupB	ihfB
P15977	dbhb_ecoli	malq_ecoli	hupB	malQ
P15977	dbhb_ecoli	malq_ecoli	hupB	malQ
P18843	dbhb_ecoli	nade_ecoli	hupB	nadE
P38489	dbhb_ecoli	nfnb_ecoli	hupB	nfnB
P0AFD1	dbhb_ecoli	nuoe_ecoli	hupB	nuoE
P15288	dbhb_ecoli	pepd_ecoli	hupB	pepD
P00490	dbhb_ecoli	phsm_ecoli	hupB	malP
P00490	dbhb_ecoli	phsm_ecoli	hupB	malP
P36767	dbhb_ecoli	rdgc_ecoli	hupB	rdgC
P25888	dbhb_ecoli	rhle_ecoli	hupB	rhIE
P0A7L0	dbhb_ecoli	rl1_ecoli	hupB	rplA
P0AG44	dbhb_ecoli	rl17_ecoli	hupB	rplQ
P0A7K6	dbhb_ecoli	rl19_ecoli	hupB	rplS
P60422	dbhb_ecoli	rl2_ecoli	hupB	rplB
P0AG48	dbhb_ecoli	rl21_ecoli	hupB	rplU
P60438	dbhb_ecoli	rl3_ecoli	hupB	rplC
P60438	dbhb_ecoli	rl3_ecoli	hupB	rplC
P0A7R1	dbhb_ecoli	rl9_ecoli	hupB	rplI
P0A7Z4	dbhb_ecoli	rpoa_ecoli	hupB	rpoA
P0A7S9	dbhb_ecoli	rs13_ecoli	hupB	rpsM
P0A7V8	dbhb_ecoli	rs4_ecoli	hupB	rpsD
P02359	dbhb_ecoli	rs7_ecoli	hupB	rpsG
P02359	dbhb_ecoli	rs7_ecoli	hupB	rpsG
P0A7X3	dbhb_ecoli	rs9_ecoli	hupB	rpsI
P0AFY8	dbhb_ecoli	seqa_ecoli	hupB	seqA
P0AEU7	dbhb_ecoli	skp_ecoli	hupB	skp
P0A9K9	dbhb_ecoli	slyd_ecoli	hupB	slyD
P08957	dbhb_ecoli	t1mk_ecoli	hupB	hsdM
P39177	dbhb_ecoli	uspg_ecoli	hupB	uspG
P09184	dbhb_ecoli	vsr_ecoli	hupB	vsr
P76104	dbhb_ecoli	ydcP_ecoli	hupB	ydcP
P0ACY9	dbhb_ecoli	yebg_ecoli	hupB	yebG
P64574	dbhb_ecoli	yghw_ecoli	hupB	yghW
P0A6F5	dcea_ecoli	ch60_ecoli	gadA	groL
P69910	dcea_ecoli	dceb_ecoli	gadA	gadB
P69910	dcea_ecoli	dceb_ecoli	gadA	gadB

P69910	dcea_ecoli	dceb_ecoli	gadA	gadB
P0A6Y8	dcea_ecoli	dnak_ecoli	gadA	dnaK
P0A6Y8	dcea_ecoli	dnak_ecoli	gadA	dnaK
P0A6Y8	dcea_ecoli	dnak_ecoli	gadA	dnaK
P13035	dcea_ecoli	glpd_ecoli	gadA	glpD
P13035	dcea_ecoli	glpd_ecoli	gadA	glpD
P28635	dcea_ecoli	metq_ecoli	gadA	metQ
P28635	dcea_ecoli	metq_ecoli	gadA	metQ
P37194	dcea_ecoli	slp_ecoli	gadA	slp
P28043	dcea_ecoli	ssb2_ecolx	gadA	ssb
P33225	dcea_ecoli	tora_ecoli	gadA	torA
P75818	dcea_ecoli	ybjp_ecoli	gadA	ybjP
P0A6F5	dceb_ecoli	ch60_ecoli	gadB	groL
P69908	dceb_ecoli	dcea_ecoli	gadB	gadA
P69908	dceb_ecoli	dcea_ecoli	gadB	gadA
P0A6Y8	dceb_ecoli	dnak_ecoli	gadB	dnaK
P36879	dceb_ecoli	yadg_ecoli	gadB	yadG
P0AE12	dcm_ecoli	amn_ecoli	dcm	amn
P0A6F5	dcm_ecoli	ch60_ecoli	dcm	groL
P22523	dcm_ecoli	mukb_ecoli	dcm	mukB
P06959	dcm_ecoli	odp2_ecoli	dcm	aceF
P0ACP7	dcm_ecoli	purr_ecoli	dcm	purR
P0C0U4	dcm_ecoli	rimk_ecoli	dcm	rimK
P0A7L0	dcm_ecoli	rl1_ecoli	dcm	rplA
P0AA10	dcm_ecoli	rl13_ecoli	dcm	rplM
P60422	dcm_ecoli	rl2_ecoli	dcm	rplB
P0AG48	dcm_ecoli	rl21_ecoli	dcm	rplU
P61175	dcm_ecoli	rl22_ecoli	dcm	rplV
P60438	dcm_ecoli	rl3_ecoli	dcm	rplC
P0AG59	dcm_ecoli	rs14_ecoli	dcm	rpsN
P0A7U7	dcm_ecoli	rs20_ecoli	dcm	rpsT
P0A7V3	dcm_ecoli	rs3_ecoli	dcm	rpsC
P0A7W1	dcm_ecoli	rs5_ecoli	dcm	rpsE
P02359	dcm_ecoli	rs7_ecoli	dcm	rpsG
P76339	dcm_ecoli	yedv_ecoli	dcm	yedV
P0ABA6	dcp_ecoli	atpg_ecoli	dcp	atpG
P36938	dcp_ecoli	pgm_ecoli	dcp	pgm
P60422	dcp_ecoli	rl2_ecoli	dcp	rplB
P0AC41	dcus_ecoli	dhsa_ecoli	dcuS	sdhA

P32718	ddla_ecoli	alsk_ecoli	ddIA	alsK
P69503	ddla_ecoli	apt_ecoli	ddIA	apt
P33363	ddla_ecoli	bgix_ecoli	ddIA	bgIX
P24169	ddla_ecoli	dcos_ecoli	ddIA	speF
P76128	ddla_ecoli	ddpa_ecoli	ddIA	ddpA
P0A6Y8	ddla_ecoli	dnak_ecoli	ddIA	dnaK
P0AD68	ddla_ecoli	ftsi_ecoli	ddIA	ftsi
P15038	ddla_ecoli	held_ecoli	ddIA	helD
P18843	ddla_ecoli	nade_ecoli	ddIA	nadE
P07004	ddla_ecoli	proa_ecoli	ddIA	proA
P0ADN0	ddla_ecoli	viaa_ecoli	ddIA	viaA
P30864	ddla_ecoli	yafc_ecoli	ddIA	yafC

P0ABD5	dead_ecoli	acca_ecoli	deaD	accA
P0A6A8	dead_ecoli	acp_ecoli	deaD	acpP
Q46829	dead_ecoli	bgla_ecoli	deaD	bgIA
P0A9Y6	dead_ecoli	cspc_ecoli	deaD	cspC
P0AEB2	dead_ecoli	daca_ecoli	deaD	dacA
P0ACF0	dead_ecoli	dbha_ecoli	deaD	hupA
P0ACF4	dead_ecoli	dbhb_ecoli	deaD	hupB
P08622	dead_ecoli	dnaj_ecoli	deaD	dnaJ
P0AEG1	dead_ecoli	dppc_ecoli	deaD	dppC
P0ACZ4	dead_ecoli	evga_ecoli	deaD	evgA
P75825	dead_ecoli	hcp_ecoli	deaD	hcp
P43329	dead_ecoli	hrpa_ecoli	deaD	hrpA
P0AEW6	dead_ecoli	ingk_ecoli	deaD	gsk
P0AFG8	dead_ecoli	odp1_ecoli	deaD	aceE
P0AFG8	dead_ecoli	odp1_ecoli	deaD	aceE
P0A7L0	dead_ecoli	rl1_ecoli	deaD	rplA
P0A7L0	dead_ecoli	rl1_ecoli	deaD	rplA
P0A7J7	dead_ecoli	rl11_ecoli	deaD	rplK
P0AA10	dead_ecoli	rl13_ecoli	deaD	rplM
P0AA10	dead_ecoli	rl13_ecoli	deaD	rplM
P0ADY7	dead_ecoli	rl16_ecoli	deaD	rplP
P0AG44	dead_ecoli	rl17_ecoli	deaD	rplQ
P0C018	dead_ecoli	rl18_ecoli	deaD	rplR
P0A7K6	dead_ecoli	rl19_ecoli	deaD	rplS
P60422	dead_ecoli	rl2_ecoli	deaD	rplB
P60422	dead_ecoli	rl2_ecoli	deaD	rplB
P0AG48	dead_ecoli	rl21_ecoli	deaD	rplU
P61175	dead_ecoli	rl22_ecoli	deaD	rplV
P61175	dead_ecoli	rl22_ecoli	deaD	rplV
P0ADZ0	dead_ecoli	rl23_ecoli	deaD	rplW
P60624	dead_ecoli	rl24_ecoli	deaD	rplX

P0A7L8	dead_ecoli	rl27_ecoli	deaD	rpmA
P0A7M2	dead_ecoli	rl28_ecoli	deaD	rpmB
P60438	dead_ecoli	rl3_ecoli	deaD	rplC
P60723	dead_ecoli	rl4_ecoli	deaD	rplD
P0AG55	dead_ecoli	rl6_ecoli	deaD	rplF
P0A7R1	dead_ecoli	rl9_ecoli	deaD	rplI
P0A7R1	dead_ecoli	rl9_ecoli	deaD	rplI
P75864	dead_ecoli	rlml_ecoli	deaD	rlmL
P37765	dead_ecoli	rlub_ecoli	deaD	rluB
P37765	dead_ecoli	rlub_ecoli	deaD	rluB
P21499	dead_ecoli	rnrc_ecoli	deaD	rnrc
P21499	dead_ecoli	rnrc_ecoli	deaD	rnrc
P0AG67	dead_ecoli	rs1_ecoli	deaD	rpsA
P0AG67	dead_ecoli	rs1_ecoli	deaD	rpsA
P0A7R5	dead_ecoli	rs10_ecoli	deaD	rpsJ
P0A7R9	dead_ecoli	rs11_ecoli	deaD	rpsK
P0A7S9	dead_ecoli	rs13_ecoli	deaD	rpsM
P0A7S9	dead_ecoli	rs13_ecoli	deaD	rpsM
P0AG59	dead_ecoli	rs14_ecoli	deaD	rpsN
P0ADZ4	dead_ecoli	rs15_ecoli	deaD	rpsO
P0A7T3	dead_ecoli	rs16_ecoli	deaD	rpsP
P0A7T7	dead_ecoli	rs18_ecoli	deaD	rpsR
P0A7U3	dead_ecoli	rs19_ecoli	deaD	rpsS
P0A7V0	dead_ecoli	rs2_ecoli	deaD	rpsB
P0A7V0	dead_ecoli	rs2_ecoli	deaD	rpsB
P0A7U7	dead_ecoli	rs20_ecoli	deaD	rpsT
P68679	dead_ecoli	rs21_ecoli	deaD	rpsU
P68679	dead_ecoli	rs21_ecoli	deaD	rpsU
P0A7V3	dead_ecoli	rs3_ecoli	deaD	rpsC
P0A7V3	dead_ecoli	rs3_ecoli	deaD	rpsC
P0A7V8	dead_ecoli	rs4_ecoli	deaD	rpsD
P0A7V8	dead_ecoli	rs4_ecoli	deaD	rpsD
P0A7W1	dead_ecoli	rs5_ecoli	deaD	rpsE
P0A7W1	dead_ecoli	rs5_ecoli	deaD	rpsE
P02358	dead_ecoli	rs6_ecoli	deaD	rpsF
P02359	dead_ecoli	rs7_ecoli	deaD	rpsG
P02359	dead_ecoli	rs7_ecoli	deaD	rpsG
P0A7W7	dead_ecoli	rs8_ecoli	deaD	rpsH
P0A7X3	dead_ecoli	rs9_ecoli	deaD	rpsI
P76502	dead_ecoli	sixa_ecoli	deaD	sixA
P21507	dead_ecoli	srmB_ecoli	deaD	srmB
P0AGE9	dead_ecoli	sucD_ecoli	deaD	sucD
P77499	dead_ecoli	sufC_ecoli	deaD	sufC
P0AGM7	dead_ecoli	uraA_ecoli	deaD	uraA
P0AGJ5	dead_ecoli	yfiF_ecoli	deaD	yfiF

P0AGJ5	dead_ecoli	yfif_ecoli	deaD	yfiF
P30871	dead_ecoli	ygif_ecoli	deaD	ygiF
P37634	dead_ecoli	yhir_ecoli	deaD	yhiR
P32138	dead_ecoli	yihq_ecoli	deaD	yihQ
P60723	def_ecoli	rl4_ecoli	def	rplD
P08390	def_ecoli	usg_ecoli	def	usg
P28634	def_ecoli	yaeb_ecoli	def	yaeB
P0A6Y8	degp_ecoli	dnak_ecoli	degP	dnaK
P75969	deob_ecoli	inte_ecoli	deoB	intE
P0A7K6	deob_ecoli	rl19_ecoli	deoB	rplS
P0AFX9	deob_ecoli	rseb_ecoli	deoB	rseB
P75804	deob_ecoli	ylii_ecoli	deoB	ylil
P18843	deoc_ecoli	nade_ecoli	deoC	nadE
P15288	deoc_ecoli	pepd_ecoli	deoC	pepD
P04805	deoc_ecoli	syecoli	deoC	gltX
P0A7E9	deod_ecoli	pyrh_ecoli	deoD	pyrH
P60560	dhak_ecoli	guac_ecoli	dhaK	guaC
P37624	dhak_ecoli	yhii_ecoli	dhaK	yhiH
P0A6Y8	dhas_ecoli	dnak_ecoli	asd	dnaK
P0A6B4	dhna_ecoli	alr1_ecoli	ndh	alr
P67910	dhna_ecoli	hlDD_ecoli	ndh	hldD
P76773	dhna_ecoli	ompl_ecoli	ndh	ompl
P60422	dhna_ecoli	rl2_ecoli	ndh	rplB
P0A7V3	dhna_ecoli	rs3_ecoli	ndh	rpsC
P0A7X3	dhna_ecoli	rs9_ecoli	ndh	rpsI
P07014	dhSA_ecoli	dhSB_ecoli	sdhA	sdhB
P07014	dhSA_ecoli	dhSB_ecoli	sdhA	sdhB
P07014	dhSA_ecoli	dhSB_ecoli	sdhA	sdhB
P69054	dhSA_ecoli	dhSC_ecoli	sdhA	sdhC
P69054	dhSA_ecoli	dhSC_ecoli	sdhA	sdhC

P0AC44	dhsa_ecoli	dhsd_ecoli	sdhA	sdhD
P0AC44	dhsa_ecoli	dhsd_ecoli	sdhA	sdhD
P18843	dhsa_ecoli	nade_ecoli	sdhA	nadE
P0A6Y8	dica_ecoli	dnak_ecoli	dicA	dnaK
P0C077	dica_ecoli	rele_ecoli	dicA	reIE
P0A7U7	dica_ecoli	rs20_ecoli	dicA	rpsT
P0A7V8	dica_ecoli	rs4_ecoli	dicA	rpsD
P68206	dica_ecoli	ybjj_ecoli	dicA	ybjJ
P0A6F3	dksa_ecoli	glpk_ecoli	dksA	glpK
P0A6W5	dksa_ecoli	grea_ecoli	dksA	greA
P37651	dksa_ecoli	gun_ecoli	dksA	bcsZ
P15288	dksa_ecoli	pepd_ecoli	dksA	pepD
P39177	dksa_ecoli	uspg_ecoli	dksA	uspG
P31063	dksa_ecoli	yedd_ecoli	dksA	yedD
P77536	dksa_ecoli	ykgf_ecoli	dksA	ykgF
P76148	dksa_ecoli	yneg_ecoli	dksA	yneG
P0A6B7	dldh_ecoli	iscs_ecoli	lpdA	iscS
P0AFG8	dldh_ecoli	odp1_ecoli	lpdA	aceE
P06959	dldh_ecoli	odp2_ecoli	lpdA	aceF
P0A7J0	dldh_ecoli	ribb_ecoli	lpdA	ribB
P0A6F5	dma_ecoli	ch60_ecoli	dam	groL
P0A9P0	dma_ecoli	dldh_ecoli	dam	lpdA
P0A9P0	dma_ecoli	dldh_ecoli	dam	lpdA
P10805	dma_ecoli	envy_ecoli	dam	envY
P13035	dma_ecoli	glpd_ecoli	dam	glpD
P0A6Z3	dma_ecoli	htpg_ecoli	dam	htpG
P19319	dma_ecoli	narz_ecoli	dam	narZ
P0AFG8	dma_ecoli	odp1_ecoli	dam	aceE
P0A7L0	dma_ecoli	rl1_ecoli	dam	rplA
P0AG44	dma_ecoli	rl17_ecoli	dam	rplQ
P0A7K6	dma_ecoli	rl19_ecoli	dam	rplS
P61175	dma_ecoli	rl22_ecoli	dam	rplV
P60723	dma_ecoli	rl4_ecoli	dam	rplD
P0A8V2	dma_ecoli	rpob_ecoli	dam	rpoB
P0A8T7	dma_ecoli	rpoc_ecoli	dam	rpoC
P0A7S9	dma_ecoli	rs13_ecoli	dam	rpsM
P0A7V3	dma_ecoli	rs3_ecoli	dam	rpsC
P0A7V8	dma_ecoli	rs4_ecoli	dam	rpsD
P02359	dma_ecoli	rs7_ecoli	dam	rpsG

POA8L1	dma_ecoli	sys_ecoli	dam	serS
P39306	dma_ecoli	ulaf_ecoli	dam	ulaF
POA8B5	dma_ecoli	ybab_ecoli	dam	ybaB
P32685	dma_ecoli	yjbd_ecoli	dam	yjbD
P37342	dma_ecoli	yjji_ecoli	dam	yjji

P22333	dnaj_ecoli	add_ecoli	dnaj	add
POABB4	dnaj_ecoli	atpb_ecoli	dnaj	atpD
POABH9	dnaj_ecoli	clpa_ecoli	dnaj	clpA
POA9P6	dnaj_ecoli	dead_ecoli	dnaj	deaD
POA6Y8	dnaj_ecoli	dnak_ecoli	dnaj	dnaK
POA6Y8	dnaj_ecoli	dnak_ecoli	dnaj	dnaK
POA6Y8	dnaj_ecoli	dnak_ecoli	dnaj	dnaK
POA6Y8	dnaj_ecoli	dnak_ecoli	dnaj	dnaK
POA6Y8	dnaj_ecoli	dnak_ecoli	dnaj	dnaK
POCE47	dnaj_ecoli	eftu1_ecoli	dnaj	tufA
POC8J6	dnaj_ecoli	gaty_ecoli	dnaj	gatY
POA705	dnaj_ecoli	if2_ecoli	dnaj	infB
P31554	dnaj_ecoli	lptd_ecoli	dnaj	lptD
POAEX9	dnaj_ecoli	male_ecoli	dnaj	malE
PO6993	dnaj_ecoli	malt_ecoli	dnaj	malT
POA817	dnaj_ecoli	metk_ecoli	dnaj	metK
POA6U3	dnaj_ecoli	mnmg_ecoli	dnaj	mnmG
POA9X4	dnaj_ecoli	mreb_ecoli	dnaj	mreB
P22523	dnaj_ecoli	mukb_ecoli	dnaj	mukB
P09152	dnaj_ecoli	narg_ecoli	dnaj	narG
POAFG6	dnaj_ecoli	odo2_ecoli	dnaj	sucB
POAFG8	dnaj_ecoli	odp1_ecoli	dnaj	aceE
P05459	dnaj_ecoli	pdxb_ecoli	dnaj	pdxB
POAAH0	dnaj_ecoli	pstb_ecoli	dnaj	pstB
POA7G6	dnaj_ecoli	reca_ecoli	dnaj	recA
POC077	dnaj_ecoli	rele_ecoli	dnaj	relE
POAG30	dnaj_ecoli	rho_ecoli	dnaj	rho
POA7L0	dnaj_ecoli	rl1_ecoli	dnaj	rplA
POA7J3	dnaj_ecoli	rl10_ecoli	dnaj	rplJ
POA7K6	dnaj_ecoli	rl19_ecoli	dnaj	rplS
P61175	dnaj_ecoli	rl22_ecoli	dnaj	rplV
POADZ0	dnaj_ecoli	rl23_ecoli	dnaj	rplW
P60624	dnaj_ecoli	rl24_ecoli	dnaj	rplX
POA8T7	dnaj_ecoli	rpoc_ecoli	dnaj	rpoC
POA7R5	dnaj_ecoli	rs10_ecoli	dnaj	rpsJ
POA7R5	dnaj_ecoli	rs10_ecoli	dnaj	rpsJ
POA7S9	dnaj_ecoli	rs13_ecoli	dnaj	rpsM

P0AG59	dnaj_ecoli	rs14_ecoli	dnaJ	rpsN
P0A7V0	dnaj_ecoli	rs2_ecoli	dnaJ	rpsB
P0A7W1	dnaj_ecoli	rs5_ecoli	dnaJ	rpsE
P02358	dnaj_ecoli	rs6_ecoli	dnaJ	rpsF
P21507	dnaj_ecoli	srmB_ecoli	dnaJ	srmB
P0AGG4	dnaj_ecoli	thio2_ecoli	dnaJ	trxC
P68206	dnaj_ecoli	yjbj_ecoli	dnaJ	yjbj
P69908	dnak_ecoli	dcea_ecoli	dnaK	gadA
P69910	dnak_ecoli	dceb_ecoli	dnaK	gadB
P45428	dnak_ecoli	dcud_ecoli	dnaK	dcuD
P0CE47	dnak_ecoli	eftu1_ecoli	dnaK	tufA
P0CE47	dnak_ecoli	eftu1_ecoli	dnaK	tufA
P0ADI4	dnak_ecoli	entb_ecoli	dnaK	entB
P0A953	dnak_ecoli	fabb_ecoli	dnaK	fabB
P09372	dnak_ecoli	grpe_ecoli	dnaK	grpE
P09372	dnak_ecoli	grpe_ecoli	dnaK	grpE
P09372	dnak_ecoli	grpe_ecoli	dnaK	grpE
P0AES4	dnak_ecoli	gyra_ecoli	dnaK	gyrA
P06986	dnak_ecoli	his8_ecoli	dnaK	hisC
P0A6Z1	dnak_ecoli	hsca_ecoli	dnaK	hscA
P0A6Z3	dnak_ecoli	htpg_ecoli	dnaK	htpG
P14509	dnak_ecoli	kka8_ecolx	dnaK	aphA
P0A9M0	dnak_ecoli	lon_ecoli	dnaK	lon
P27896	dnak_ecoli	narq_ecoli	dnaK	narQ
P37095	dnak_ecoli	pepb_ecoli	dnaK	pepB
P0A7J3	dnak_ecoli	rl10_ecoli	dnaK	rplJ
P0A7K6	dnak_ecoli	rl19_ecoli	dnaK	rplS
P0A7N9	dnak_ecoli	rl33_ecoli	dnaK	rpmG
P60723	dnak_ecoli	rl4_ecoli	dnaK	rplD
P0AG55	dnak_ecoli	rl6_ecoli	dnaK	rplF
P0A7R1	dnak_ecoli	rl9_ecoli	dnaK	rplI
P21513	dnak_ecoli	rne_ecoli	dnaK	rne
P0AG67	dnak_ecoli	rs1_ecoli	dnaK	rpsA
P0A7V0	dnak_ecoli	rs2_ecoli	dnaK	rpsB
P0A7V0	dnak_ecoli	rs2_ecoli	dnaK	rpsB
Q47622	dnak_ecoli	sapa_ecoli	dnaK	sapA
P00957	dnak_ecoli	sya_ecoli	dnaK	alaS
P21889	dnak_ecoli	syd_ecoli	dnaK	aspS
P16659	dnak_ecoli	syp_ecoli	dnaK	proS
P42630	dnak_ecoli	tdcg_ecoli	dnaK	tdcG
P77730	dnak_ecoli	ydcR_ecoli	dnaK	ydcR
P77228	dnak_ecoli	ydfj_ecoli	dnaK	ydfJ
P0ADK6	dnak_ecoli	yiba_ecoli	dnaK	yibA
P32134	dnak_ecoli	yihm_ecoli	dnaK	yihM

P45395	dosp_ecoli	kdsd_ecoli	dosP	kdsD
P0A867	dosp_ecoli	tala_ecoli	dosP	tala
P28630	dpo3b_ecoli	hola_ecoli	dnaN	holA
P28630	dpo3b_ecoli	hola_ecoli	dnaN	holA
P0A9P6	dps_ecoli	dead_ecoli	dps	deaD
P0A6X3	dps_ecoli	hfq_ecoli	dps	hfq
P67910	dps_ecoli	hldd_ecoli	dps	hldD
P67910	dps_ecoli	hldd_ecoli	dps	hldD
P43329	dps_ecoli	hrpa_ecoli	dps	hrpA
P0A9M0	dps_ecoli	lon_ecoli	dps	lon
P76045	dps_ecoli	ompg_ecoli	dps	ompG
P0ADZ0	dps_ecoli	rl23_ecoli	dps	rplW
P60624	dps_ecoli	rl24_ecoli	dps	rplX
P0A7R5	dps_ecoli	rs10_ecoli	dps	rpsJ
P0A7W1	dps_ecoli	rs5_ecoli	dps	rpsE
P02358	dps_ecoli	rs6_ecoli	dps	rpsF
P0A7W7	dps_ecoli	rs8_ecoli	dps	rpsH
P0AEU7	dps_ecoli	skp_ecoli	dps	skp
P0A9K9	dps_ecoli	slyd_ecoli	dps	slyD
P0A862	dps_ecoli	tpx_ecoli	dps	tpx
P0ADK8	dps_ecoli	yibl_ecoli	dps	yibL
P0A9Q7	dxs_ecoli	adhe_ecoli	dxs	adhE
P05052	dxs_ecoli	appy_ecoli	dxs	appY
P00722	dxs_ecoli	bgal_ecoli	dxs	lacZ
P0ABH9	dxs_ecoli	clpa_ecoli	dxs	clpA
P0A9X9	dxs_ecoli	cspa_ecoli	dxs	cspA
P0CE47	dxs_ecoli	eftu1_ecoli	dxs	tufA
P24183	dxs_ecoli	fdng_ecoli	dxs	fdnG
P09831	dxs_ecoli	gltb_ecoli	dxs	glbB
P0A9M0	dxs_ecoli	lon_ecoli	dxs	lon
P0A9X4	dxs_ecoli	mreb_ecoli	dxs	mreB
P0AFG8	dxs_ecoli	odp1_ecoli	dxs	aceE
P0AAH0	dxs_ecoli	pstb_ecoli	dxs	pstB
P0A7G6	dxs_ecoli	reca_ecoli	dxs	recA
P0AG30	dxs_ecoli	rho_ecoli	dxs	rho
P0A843	dxs_ecoli	tate_ecoli	dxs	tatE
P39336	dxs_ecoli	yjgl_ecoli	dxs	yjgL
Q46942	dxs_ecoli	yqei_ecoli	dxs	yqeI

P23827	ecot_ecoli	ecot_ecoli	eco	eco
P69503	efg_ecoli	apt_ecoli	fusA	apt
P07639	efg_ecoli	arob_ecoli	fusA	aroB
P0A9I1	efg_ecoli	cite_ecoli	fusA	citE
P0A6P1	efg_ecoli	efts_ecoli	fusA	tsf
P0A6P1	efg_ecoli	efts_ecoli	fusA	tsf
P0CE47	efg_ecoli	eftu1_ecoli	fusA	tufA
P0CE47	efg_ecoli	eftu1_ecoli	fusA	tufA
P0CE47	efg_ecoli	eftu1_ecoli	fusA	tufA
P33129	efg_ecoli	htre_ecoli	fusA	htrE
P18843	efg_ecoli	nade_ecoli	fusA	nadE
P04983	efg_ecoli	rbsa_ecoli	fusA	rbsA
P16916	efg_ecoli	rhsa_ecoli	fusA	rhsA
P61887	efg_ecoli	rmla2_ecoli	fusA	rmlA2
P75828	efg_ecoli	ybjd_ecoli	fusA	ybjD
P76204	efg_ecoli	ydiv_ecoli	fusA	ydiV
P0ACY3	efg_ecoli	yeag_ecoli	fusA	yeaG
P39263	efg_ecoli	yfcc_ecoli	fusA	yfcC
O32528	efg_ecoli	ypdi_ecoli	fusA	ypdI
P36560	efts_ecoli	asr_ecoli	tsf	asr
P0AEF0	efts_ecoli	dnac_ecoli	tsf	dnaC
P33128	efts_ecoli	ecpd_ecoli	tsf	ecpD
P0CE47	efts_ecoli	eftu1_ecoli	tsf	tufA
P0CE47	efts_ecoli	eftu1_ecoli	tsf	tufA
P0CE47	efts_ecoli	eftu1_ecoli	tsf	tufA
P0CE47	efts_ecoli	eftu1_ecoli	tsf	tufA
P0A7W1	efts_ecoli	rs5_ecoli	tsf	rpsE
P08957	efts_ecoli	t1mk_ecoli	tsf	hsdM
P24181	eftu1_ecoli	acrF_ecoli	tufA	acrF
P08622	eftu1_ecoli	dnaj_ecoli	tufA	dnaJ
P0A6Y8	eftu1_ecoli	dnak_ecoli	tufA	dnaK
P0A6P1	eftu1_ecoli	efts_ecoli	tufA	tsf
P0A6P1	eftu1_ecoli	efts_ecoli	tufA	tsf
P0A6P1	eftu1_ecoli	efts_ecoli	tufA	tsf
P0A6P1	eftu1_ecoli	efts_ecoli	tufA	tsf
P37009	eftu1_ecoli	fbpc_ecoli	tufA	fbpC

P0A817	eftu1_ecoli	metk_ecoli	tufA	metK
P0A9X4	eftu1_ecoli	mreb_ecoli	tufA	mreB
P10408	eftu1_ecoli	seca_ecoli	tufA	secA
P10408	eftu1_ecoli	seca_ecoli	tufA	secA
P07118	eftu1_ecoli	syv_ecoli	tufA	valS
P39177	eftu1_ecoli	uspG_ecoli	tufA	uspG
P00944	eftu1_ecoli	xyla_ecoli	tufA	xylA
P0A8I3	eftu1_ecoli	yaaa_ecoli	tufA	yaaA
P0A8J4	eftu1_ecoli	ybed_ecoli	tufA	ybeD
P77552	eftu1_ecoli	ydhq_ecoli	tufA	ydhQ

P0A6X3	elab_ecoli	hfq_ecoli	elaB	hfq
P60422	elab_ecoli	rl2_ecoli	elaB	rplB
P0A7L3	elab_ecoli	rl20_ecoli	elaB	rplT
P21338	elab_ecoli	rni_ecoli	elaB	rna
P0A7V8	elab_ecoli	rs4_ecoli	elaB	rpsD

P00963	engd_ecoli	asna_ecoli	engD	asnA
P0A6B7	engd_ecoli	iscs_ecoli	engD	iscS
P62620	engd_ecoli	ispG_ecoli	engD	ispG
P0ACP7	engd_ecoli	purr_ecoli	engD	purR
P46850	engd_ecoli	rtcB_ecoli	engD	rtcB
P0AG14	engd_ecoli	sohb_ecoli	engD	sohB

P00888	eno_ecoli	arof_ecoli	eno	aroF
P0A6Y8	eno_ecoli	dnak_ecoli	eno	dnaK
P0A6Y8	eno_ecoli	dnak_ecoli	eno	dnaK
P0A6Q6	eno_ecoli	fabz_ecoli	eno	fabZ
P0A6F3	eno_ecoli	glpk_ecoli	eno	glpK
P18843	eno_ecoli	nade_ecoli	eno	nadE
P0A761	eno_ecoli	nane_ecoli	eno	nanE
P0ADI0	eno_ecoli	pinr_ecoli	eno	pinR
P05055	eno_ecoli	pnp_ecoli	eno	pnp
P05055	eno_ecoli	pnp_ecoli	eno	pnp
P76062	eno_ecoli	racr_ecoli	eno	racR
P36767	eno_ecoli	rdgc_ecoli	eno	rdgC
P0ADZ0	eno_ecoli	rl23_ecoli	eno	rplW
P0A7R1	eno_ecoli	rl9_ecoli	eno	rplI
P21513	eno_ecoli	rne_ecoli	eno	rne

P21513	eno_ecoli	rne_ecoli	eno	rne
P21513	eno_ecoli	rne_ecoli	eno	rne
P21513	eno_ecoli	rne_ecoli	eno	rne
P0A7W1	eno_ecoli	rs5_ecoli	eno	rpsE
P04805	eno_ecoli	syecoli	eno	gltX
P77216	eno_ecoli	ybdn_ecoli	eno	ybdN
P76536	eno_ecoli	yfex_ecoli	eno	yfeX
P77247	eno_ecoli	ynic_ecoli	eno	yniC
Q47710	eno_ecoli	yqjk_ecoli	eno	yqjK
P76038	envr_ecoli	puud_ecoli	envR	puuD
P0A6L0	eutq_ecoli	deoc_ecoli	eutQ	deoC
P30147	eutq_ecoli	hyi_ecoli	eutQ	hyi
P31678	eutq_ecoli	otsb_ecoli	eutQ	otsB
P60723	eutq_ecoli	rl4_ecoli	eutQ	rplD
P0A8I8	eutq_ecoli	rlmh_ecoli	eutQ	rlmH
P0A9K9	eutq_ecoli	slyd_ecoli	eutQ	slyD
P0ABD5	faba_ecoli	acca_ecoli	fabA	accA
P00722	faba_ecoli	bgal_ecoli	fabA	lacZ
P0ACF0	faba_ecoli	dbha_ecoli	fabA	hupA
P0A9P6	faba_ecoli	dead_ecoli	fabA	deaD
P0CE47	faba_ecoli	eftu1_ecoli	fabA	tufA
P0A817	faba_ecoli	metk_ecoli	fabA	metK
P0AFG6	faba_ecoli	odo2_ecoli	fabA	sucB
P0A7L0	faba_ecoli	rl1_ecoli	fabA	rplA
P0A7K6	faba_ecoli	rl19_ecoli	fabA	rplS
P60422	faba_ecoli	rl2_ecoli	fabA	rplB
P0A8V2	faba_ecoli	rpob_ecoli	fabA	rpoB
P0A8T7	faba_ecoli	rpoc_ecoli	fabA	rpoC
P0AG67	faba_ecoli	rs1_ecoli	fabA	rpsA
P0A7S9	faba_ecoli	rs13_ecoli	fabA	rpsM
P0A7T7	faba_ecoli	rs18_ecoli	fabA	rpsR
P0A7V0	faba_ecoli	rs2_ecoli	fabA	rpsB
P0A7W1	faba_ecoli	rs5_ecoli	fabA	rpsE
P02359	faba_ecoli	rs7_ecoli	fabA	rpsG
P0A7X3	faba_ecoli	rs9_ecoli	fabA	rpsI
P0AGD7	faba_ecoli	srp54_ecoli	fabA	ffh
P04968	faba_ecoli	thd1_ecoli	fabA	ilvA
P0A850	faba_ecoli	tig_ecoli	fabA	tig
P76214	faba_ecoli	ves_ecoli	fabA	ves
P28915	faba_ecoli	ybfc_ecoli	fabA	ybfC

P76515	faba_ecoli	yfds_ecoli	fabA	yfdS
P65807	faba_ecoli	ygey_ecoli	fabA	ygeY
P0AB93	fabb_ecoli	arsb_ecoli	fabB	arsB
P31658	fabb_ecoli	hcha_ecoli	fabB	hchA
P60422	fabb_ecoli	rl2_ecoli	fabB	rplB
P75792	fabb_ecoli	suph_ecoli	fabB	supH
P75970	fabb_ecoli	vxis_ecoli	fabB	xisE
P0AD53	fabb_ecoli	ygac_ecoli	fabB	ygaC
P0A9V5	fabb_ecoli	yiag_ecoli	fabB	yiaG
P18843	fabd_ecoli	nade_ecoli	fabD	nadE
P25906	fabd_ecoli	ydbc_ecoli	fabD	ydbC
P0A6A8	fabf_ecoli	acp_ecoli	fabF	acpP
P28248	fabf_ecoli	dcd_ecoli	fabF	dcd
P0A6Y8	fabf_ecoli	dnak_ecoli	fabF	dnaK
P0A6Y8	fabf_ecoli	dnak_ecoli	fabF	dnaK
P0AAL3	fabf_ecoli	napg_ecoli	fabF	napG
P17411	fabg_ecoli	chbf_ecoli	fabG	chbF
P21693	fabg_ecoli	dbpa_ecoli	fabG	dbpA
P13035	fabg_ecoli	glpd_ecoli	fabG	glpD
P31473	fabg_ecoli	rava_ecoli	fabG	ravA
P06961	fabh_ecoli	cca_ecoli	fabH	cca
P37326	fabh_ecoli	ints_ecoli	fabH	intS
P18843	fabh_ecoli	nade_ecoli	fabH	nadE
P0A988	fabi_ecoli	dpo3b_ecoli	fabI	dnaN
P0AG30	fabi_ecoli	rho_ecoli	fabI	rho
P0A7J3	fabi_ecoli	rl10_ecoli	fabI	rplJ
P75864	fabi_ecoli	rlm1_ecoli	fabI	rlmL
P0AG67	fabi_ecoli	rs1_ecoli	fabI	rpsA
P0A7R5	fabi_ecoli	rs10_ecoli	fabI	rpsJ
P76573	fabi_ecoli	yfgi_ecoli	fabI	yfgI
P0AF90	fabi_ecoli	yjgd_ecoli	fabI	yjgD
P0ABH9	fabz_ecoli	clpa_ecoli	fabZ	clpA
P0CE47	fabz_ecoli	eftu1_ecoli	fabZ	tufA
P75882	fabz_ecoli	gfcD_ecoli	fabZ	gfcD
P0A9M0	fabz_ecoli	lon_ecoli	fabZ	lon
P0A7L0	fabz_ecoli	rl1_ecoli	fabZ	rplA

P0A7J3	fabz_ecoli	rl10_ecoli	fabZ	rplJ
P0AA10	fabz_ecoli	rl13_ecoli	fabZ	rplM
P0A7K6	fabz_ecoli	rl19_ecoli	fabZ	rplS
P60422	fabz_ecoli	rl2_ecoli	fabZ	rplB
P61175	fabz_ecoli	rl22_ecoli	fabZ	rplV
P60438	fabz_ecoli	rl3_ecoli	fabZ	rplC
P60723	fabz_ecoli	rl4_ecoli	fabZ	rplD
P62399	fabz_ecoli	rl5_ecoli	fabZ	rplE
P0AG55	fabz_ecoli	rl6_ecoli	fabZ	rplF
P0A7R1	fabz_ecoli	rl9_ecoli	fabZ	rplI
P0AG67	fabz_ecoli	rs1_ecoli	fabZ	rpsA
P0A7V0	fabz_ecoli	rs2_ecoli	fabZ	rpsB
P0A7V3	fabz_ecoli	rs3_ecoli	fabZ	rpsC
P0A7V8	fabz_ecoli	rs4_ecoli	fabZ	rpsD
P0A7W1	fabz_ecoli	rs5_ecoli	fabZ	rpsE
P02359	fabz_ecoli	rs7_ecoli	fabZ	rpsG
P0AGD7	fabz_ecoli	srp54_ecoli	fabZ	ffh
P00962	fabz_ecoli	syq_ecoli	fabZ	glnS
P16694	fabz_ecoli	yjda_ecoli	fabZ	yjdA

P61517	fdhe_ecoli	can_ecoli	fdhE	can
P76290	fdhe_ecoli	cmoa_ecoli	fdhE	cmoA
P10443	fdhe_ecoli	dpo3a_ecoli	fdhE	dnaE
P32176	fdhe_ecoli	fdog_ecoli	fdhE	fdoG
P0AER3	fdhe_ecoli	gtj_ecoli	fdhE	gtJ
P63228	fdhe_ecoli	gmhb_ecoli	fdhE	gmhB
P0AES4	fdhe_ecoli	gyra_ecoli	fdhE	gyrA
P0ACV0	fdhe_ecoli	htrb_ecoli	fdhE	htrB
P45395	fdhe_ecoli	kdsd_ecoli	fdhE	kdsD
P18843	fdhe_ecoli	nade_ecoli	fdhE	nadE
P0ADY3	fdhe_ecoli	rl14_ecoli	fdhE	rplN
P0AG44	fdhe_ecoli	rl17_ecoli	fdhE	rplQ
P61175	fdhe_ecoli	rl22_ecoli	fdhE	rplV
P62399	fdhe_ecoli	rl5_ecoli	fdhE	rplE
P0AG55	fdhe_ecoli	rl6_ecoli	fdhE	rplF
P02359	fdhe_ecoli	rs7_ecoli	fdhE	rpsG
P0A7X3	fdhe_ecoli	rs9_ecoli	fdhE	rplI
P0A9K9	fdhe_ecoli	slyd_ecoli	fdhE	slyD
P10443	fdng_ecoli	dpo3a_ecoli	fdnG	dnaE
P0CE47	fdng_ecoli	eftu1_ecoli	fdnG	tufA

P0ACF0	fis_ecoli	dbha_ecoli	fis	hupA
P0A6Y8	fis_ecoli	dnak_ecoli	fis	dnaK
P0AA10	fis_ecoli	rl13_ecoli	fis	rplM
P0A7K6	fis_ecoli	rl19_ecoli	fis	rplS
P60422	fis_ecoli	rl2_ecoli	fis	rplB
P0A7L3	fis_ecoli	rl20_ecoli	fis	rplT
P61175	fis_ecoli	rl22_ecoli	fis	rplV
P0ADZ0	fis_ecoli	rl23_ecoli	fis	rplW
P60438	fis_ecoli	rl3_ecoli	fis	rplC
P0A7N9	fis_ecoli	rl33_ecoli	fis	rpmG
P60723	fis_ecoli	rl4_ecoli	fis	rplD
P0A8T7	fis_ecoli	rpoc_ecoli	fis	rpoC
P0A7R5	fis_ecoli	rs10_ecoli	fis	rpsJ
P0A7S9	fis_ecoli	rs13_ecoli	fis	rpsM
P0A7V0	fis_ecoli	rs2_ecoli	fis	rpsB
P0A7V3	fis_ecoli	rs3_ecoli	fis	rpsC
P0A7V8	fis_ecoli	rs4_ecoli	fis	rpsD
P0A7W1	fis_ecoli	rs5_ecoli	fis	rpsE
P30139	fis_ecoli	thig_ecoli	fis	thiG
P75989	fis_ecoli	ycge_ecoli	fis	ycgE

P0A6F1	fkba_ecoli	cara_ecoli	fkpA	carA
P10378	fkba_ecoli	ente_ecoli	fkpA	entE
P04994	fkba_ecoli	ex7l_ecoli	fkpA	xseA
P10441	fkba_ecoli	lpxb_ecoli	fkpA	lpxB
P77432	fkba_ecoli	lsrk_ecoli	fkpA	lsrK
P0AEZ3	fkba_ecoli	mind_ecoli	fkpA	minD
P0A7V8	fkba_ecoli	rs4_ecoli	fkpA	rpsD
P75869	fkba_ecoli	sxy_ecoli	fkpA	sxy
P0A9W0	fkba_ecoli	ular_ecoli	fkpA	ulaR
P77147	fkba_ecoli	ydht_ecoli	fkpA	ydhT
P76440	fkba_ecoli	yeit_ecoli	fkpA	yeiT
Q46927	fkba_ecoli	ygdL_ecoli	fkpA	ygdL
P77396	fkba_ecoli	ypdc_ecoli	fkpA	ypdC

P0ADI4	fkbb_ecoli	entb_ecoli	fkIB	entB
P0AERO	fkbb_ecoli	glpf_ecoli	fkIB	glpF
P0AAE2	fkbb_ecoli	proy_ecoli	fkIB	proY
P0AFZ7	fkbb_ecoli	trkh_ecoli	fkIB	trkH

P33224	flav_ecoli	aidb_ecoli	fldA	aidB
P0ABH9	flav_ecoli	clpa_ecoli	fldA	clpA
P0A988	flav_ecoli	dpo3b_ecoli	fldA	dnaN
P0A8V6	flav_ecoli	fadr_ecoli	fldA	fadR
P15038	flav_ecoli	held_ecoli	fldA	held
P0ACF8	flav_ecoli	hns_ecoli	fldA	hns
P0A9P9	flav_ecoli	idno_ecoli	fldA	idnO
P62620	flav_ecoli	ispg_ecoli	fldA	ispG
P0A9M0	flav_ecoli	lon_ecoli	fldA	lon
P0A772	flav_ecoli	nrDI_ecoli	fldA	nrDI
P0A7J0	flav_ecoli	ribB_ecoli	fldA	ribB
P60422	flav_ecoli	rl2_ecoli	fldA	rplB
P61175	flav_ecoli	rl22_ecoli	fldA	rplV
P0A7M2	flav_ecoli	rl28_ecoli	fldA	rpmB
P0A7V0	flav_ecoli	rs2_ecoli	fldA	rpsB
P0A7W1	flav_ecoli	rs5_ecoli	fldA	rpsE
P0AG24	flav_ecoli	spot_ecoli	fldA	spoT
P0AG03	flav_ecoli	ubix_ecoli	fldA	ubiX

P12999	flic_ecoli	bioc_ecoli	fliC	bioC
P0A6Y8	flic_ecoli	dnak_ecoli	fliC	dnaK
Q47153	flic_ecoli	fhia_ecoli	fliC	fhiA
P18843	flic_ecoli	nade_ecoli	fliC	nadE
P21889	flic_ecoli	syd_ecoli	fliC	aspS
P16659	flic_ecoli	syp_ecoli	fliC	proS

P06974	flin_ecoli	flim_ecoli	fliN	fliM
P06974	flin_ecoli	flim_ecoli	fliN	fliM
P15070	flin_ecoli	flin_ecoli	fliN	fliN

P07363	flit_ecoli	chea_ecoli	fliT	cheA
P0AEM4	flit_ecoli	flgm_ecoli	fliT	flgM
P0A8S9	flit_ecoli	flhd_ecoli	fliT	flhD
P24216	flit_ecoli	flid_ecoli	fliT	fliD
P26608	flit_ecoli	flis_ecoli	fliT	fliS
P0ABY2	flit_ecoli	flit_ecoli	fliT	fliT
P0AG07	flit_ecoli	rpe_ecoli	fliT	rpe
P39280	flit_ecoli	yjek_ecoli	fliT	yjeK

P25741	fmt_ecoli	rfap_ecoli	fmt	rfaP
P0A7L0	fmt_ecoli	rl1_ecoli	fmt	rplA
P0AG44	fmt_ecoli	rl17_ecoli	fmt	rplQ
P60723	fmt_ecoli	rl4_ecoli	fmt	rplD

P0A7R1	fmt_ecoli	rl9_ecoli	fmt	rplI
P0A7S9	fmt_ecoli	rs13_ecoli	fmt	rpsM
P0A7V8	fmt_ecoli	rs4_ecoli	fmt	rpsD
P02359	fmt_ecoli	rs7_ecoli	fmt	rpsG
P0A7X3	fmt_ecoli	rs9_ecoli	fmt	rpsI
P76154	fmt_ecoli	ydfk_ecoli	fmt	ydfK
P76073	fmt_ecoli	ynae_ecoli	fmt	ynaE
P0A717	fnr_ecoli	kprs_ecoli	fnr	prs
P77188	fnr_ecoli	matc_ecoli	fnr	matC
P18843	fnr_ecoli	nade_ecoli	fnr	nadE
P0AFJ5	fnr_ecoli	phob_ecoli	fnr	phoB
P76122	folb_ecoli	yddj_ecoli	folB	yddJ
P0A948	folx_ecoli	rimj_ecoli	folX	rimJ
P68767	frda_ecoli	ampa_ecoli	frdA	pepA
P23886	frda_ecoli	cydc_ecoli	frdA	cydC
P0AC47	frda_ecoli	frdb_ecoli	frdA	frdB
P0AC47	frda_ecoli	frdb_ecoli	frdA	frdB
P0AC47	frda_ecoli	frdb_ecoli	frdA	frdB
P0AC47	frda_ecoli	frdb_ecoli	frdA	frdB
P0A8Q0	frda_ecoli	frdc_ecoli	frdA	frdC
P0A8Q0	frda_ecoli	frdc_ecoli	frdA	frdC
P0A8Q0	frda_ecoli	frdc_ecoli	frdA	frdC
P0A8Q3	frda_ecoli	frdd_ecoli	frdA	frdD
P0A8Q3	frda_ecoli	frdd_ecoli	frdA	frdD
P0A8Q3	frda_ecoli	frdd_ecoli	frdA	frdD
P0AFG9	frda_ecoli	odp1_eco57	frdA	aceE
P0A915	frda_ecoli	ompw_ecoli	frdA	ompW
P16916	frda_ecoli	rhasa_ecoli	frdA	rhaA
P37194	frda_ecoli	slp_ecoli	frdA	slp
P75818	frda_ecoli	ybjp_ecoli	frdA	ybjP
P76111	frda_ecoli	ydcz_ecoli	frdA	ydcZ
P77804	frda_ecoli	ydga_ecoli	frdA	ydgA
P39385	frda_ecoli	yjin_ecoli	frdA	yjiN
P00363	frdb_ecoli	frda_ecoli	frdB	frdA
P0AE08	fre_ecoli	ahpc_ecoli	fre	ahpC
P0ABB4	fre_ecoli	atpb_ecoli	fre	atpD
P37326	fre_ecoli	ints_ecoli	fre	intS
P18843	fre_ecoli	nade_ecoli	fre	nadE
P37906	fre_ecoli	puub_ecoli	fre	puuB

P0AG30	fre_ecoli	rho_ecoli	fre	rho
P0AG55	fre_ecoli	rl6_ecoli	fre	rpIF
P14294	frlr_ecoli	top3_ecoli	frlR	topB
P13035	frma_ecoli	glpd_ecoli	frmA	glpD
P25888	frma_ecoli	rhle_ecoli	frmA	rhIE
P39389	frma_ecoli	yjir_ecoli	frmA	yjiR
P13035	frmr_ecoli	glpd_ecoli	frmR	glpD
P69441	frmr_ecoli	kad_ecoli	frmR	adk
P0ABH0	ftsq_ecoli	ftsa_ecoli	ftsQ	ftsA
P0A6S5	ftsq_ecoli	ftsb_ecoli	ftsQ	ftsB
P0AD68	ftsq_ecoli	ftsi_ecoli	ftsQ	ftsI
P0AEN4	ftsq_ecoli	ftsl_ecoli	ftsQ	ftsL
P06136	ftsq_ecoli	ftsq_ecoli	ftsQ	ftsQ
P0ABH0	ftsx_ecoli	ftsa_ecoli	ftsX	ftsA
P06136	ftsx_ecoli	ftsq_ecoli	ftsX	ftsQ
P06136	ftsx_ecoli	ftsq_ecoli	ftsX	ftsQ
P22333	ftsZ_ecoli	add_ecoli	ftsZ	add
P0A6Y8	ftsZ_ecoli	dnak_ecoli	ftsZ	dnak
P0A6M8	ftsZ_ecoli	efg_ecoli	ftsZ	fusA
P0CE47	ftsZ_ecoli	eftu1_ecoli	ftsZ	tufA
P0ABH0	ftsZ_ecoli	ftsa_ecoli	ftsZ	ftsA
P0A9R7	ftsZ_ecoli	ftse_ecoli	ftsZ	ftsE
P46889	ftsZ_ecoli	ftsk_ecoli	ftsZ	ftsK
P0C8J6	ftsZ_ecoli	gaty_ecoli	ftsZ	gatY
P68187	ftsZ_ecoli	malk_ecoli	ftsZ	malk
P0A738	ftsZ_ecoli	moac_ecoli	ftsZ	moaC
P0A9X4	ftsZ_ecoli	mreb_ecoli	ftsZ	mreB
P09373	ftsZ_ecoli	pflb_ecoli	ftsZ	pflB
P0AAH0	ftsZ_ecoli	pstb_ecoli	ftsZ	pstB
P0A7G6	ftsZ_ecoli	reca_ecoli	ftsZ	recA
P0ADY3	ftsZ_ecoli	rl14_ecoli	ftsZ	rpIN
P62399	ftsZ_ecoli	rl5_ecoli	ftsZ	rpIE
P0A7R5	ftsZ_ecoli	rs10_ecoli	ftsZ	rpsJ
P0A7V0	ftsZ_ecoli	rs2_ecoli	ftsZ	rpsB
P0A7V8	ftsZ_ecoli	rs4_ecoli	ftsZ	rpsD
P0A7W1	ftsZ_ecoli	rs5_ecoli	ftsZ	rpsE
P10408	ftsZ_ecoli	seca_ecoli	ftsZ	secA

P0AFZ5	ftsZ_ecoli	sula_ecoli	ftsZ	sulA
P0A843	ftsZ_ecoli	tate_ecoli	ftsZ	tatE
P39177	ftsZ_ecoli	uspg_ecoli	ftsZ	uspG
P31063	ftsZ_ecoli	yedd_ecoli	ftsZ	yedD
P77173	ftsZ_ecoli	zipa_ecoli	ftsZ	zipA
P0A9P0	fucm_ecoli	dldh_ecoli	fucU	lpdA
P0AA10	fucm_ecoli	rl13_ecoli	fucU	rpIM
P61175	fucm_ecoli	rl22_ecoli	fucU	rpIV
P0A7K2	fucm_ecoli	rl7_ecoli	fucU	rpIL
P14407	fuma_ecoli	fumb_ecoli	fumA	fumB
P18843	fuma_ecoli	nade_ecoli	fumA	nadE
P0AC33	fumb_ecoli	fuma_ecoli	fumB	fumA
P0AFG8	fumb_ecoli	odp1_ecoli	fumB	aceE
P18843	fur_ecoli	nade_ecoli	fur	nadE
P63284	fxsa_ecoli	clpb_ecoli	fxsA	clpB
P0A6W5	fxsa_ecoli	greA_ecoli	fxsA	greA
P62399	fxsa_ecoli	rl5_ecoli	fxsA	rpIE
P0AE88	g3p1_ecoli	cpxr_ecoli	gapA	cpxR
P0A6Y8	g3p1_ecoli	dnak_ecoli	gapA	dnaK
P0A6Y8	g3p1_ecoli	dnak_ecoli	gapA	dnaK
POC8J8	g3p1_ecoli	gatz_ecoli	gapA	gatZ
P0A7Z4	g3p1_ecoli	rpoa_ecoli	gapA	rpoA
P0A8V2	g3p1_ecoli	rpob_ecoli	gapA	rpoB
P0A8T7	g3p1_ecoli	rpoc_ecoli	gapA	rpoC
P00579	g3p1_ecoli	rpod_ecoli	gapA	rpoD
P52125	g3p1_ecoli	yfjj_ecoli	gapA	yfjJ
P0A6Y8	g6pd_ecoli	dnak_ecoli	zwf	dnaK
P0AFF6	g6pd_ecoli	nusa_ecoli	zwf	nusA
P15288	g6pd_ecoli	pepd_ecoli	zwf	pepD
P36938	g6pd_ecoli	pgm_ecoli	zwf	pgm
P0A6F5	gadx_ecoli	ch60_ecoli	gadX	groL
P37014	gadx_ecoli	yfad_ecoli	gadX	yfaD

P18843	gale_ecoli	nade_ecoli	galE	nadE
P0AA43	gale_ecoli	rsua_ecoli	galE	rsuA
P77775	gale_ecoli	yfch_ecoli	galE	yfch
P76205	galf_ecoli	arpb_ecoli	galF	arpB
P0ABB4	galf_ecoli	atpb_ecoli	galF	atpD
P06282	galf_ecoli	cdh_ecoli	galF	cdh
P0A6F5	galf_ecoli	ch60_ecoli	galF	groL
P77463	galf_ecoli	ddpc_ecoli	galF	ddpC
P0ABT2	galf_ecoli	dps_ecoli	galF	dps
P0AEP3	galf_ecoli	galu_ecoli	galF	galU
P18843	galf_ecoli	nade_ecoli	galF	nadE
P0A6Y8	galm_ecoli	dnak_ecoli	galM	dnaK
P62707	galm_ecoli	gpma_ecoli	galM	gpmA
P18843	galm_ecoli	nade_ecoli	galM	nadE
P69228	gatd_ecoli	baer_ecoli	gatD	baeR
P0AEC5	gatd_ecoli	bara_ecoli	gatD	barA
P0A6F5	gatd_ecoli	ch60_ecoli	gatD	groL
P0A6Y8	gatd_ecoli	dnak_ecoli	gatD	dnaK
P13035	gatd_ecoli	glpd_ecoli	gatD	glpD
P22523	gatd_ecoli	mukb_ecoli	gatD	mukB
P18843	gatd_ecoli	nade_ecoli	gatD	nadE
P33602	gatd_ecoli	nuog_ecoli	gatD	nuoG
P02918	gatd_ecoli	pbpa_ecoli	gatD	mrcA
P60422	gatd_ecoli	rl2_ecoli	gatD	rplB
P0A7V0	gatd_ecoli	rs2_ecoli	gatD	rpsB
P0A7V3	gatd_ecoli	rs3_ecoli	gatD	rpsC
P0A7X3	gatd_ecoli	rs9_ecoli	gatD	rpsI
P06612	gatd_ecoli	top1_ecoli	gatD	topA
P76403	gatd_ecoli	yegq_ecoli	gatD	yegQ
P0A6Y8	gaty_ecoli	dnak_ecoli	gatY	dnaK
P0A6Y8	gaty_ecoli	dnak_ecoli	gatY	dnaK
P0CE47	gaty_ecoli	eftu1_ecoli	gatY	tufA
P0CE47	gaty_ecoli	eftu1_ecoli	gatY	tufA
P06993	gaty_ecoli	malt_ecoli	gatY	malT
P07649	gaty_ecoli	trua_ecoli	gatY	truA
P0A6F5	gatz_ecoli	ch60_ecoli	gatZ	groL

P0A6T1	gatz_ecoli	g6pi_ecoli	gatz	pgi
P0C8J6	gatz_ecoli	gaty_ecoli	gatz	gatY
P77188	gcsp_ecoli	matc_ecoli	gcvP	matC
P18843	gcsp_ecoli	nade_ecoli	gcvP	nadE
P76577	gcsp_ecoli	pbpc_ecoli	gcvP	pbpC
P37051	gcsp_ecoli	puru_ecoli	gcvP	purU
P0A7M9	gcsp_ecoli	rl31_ecoli	gcvP	rpmE
P0A8V2	gcsp_ecoli	rpob_ecoli	gcvP	rpoB
P10408	gcsp_ecoli	seca_ecoli	gcvP	secA
P76578	gcsp_ecoli	yfhm_ecoli	gcvP	yfhM
P0A894	gcsp_ecoli	yhbj_ecoli	gcvP	yhbj
P45565	gcst_ecoli	ais_ecoli	gcvT	ais
Q46829	gcst_ecoli	bgla_ecoli	gcvT	bgIA
P0AAJ3	gcst_ecoli	fdnh_ecoli	gcvT	fdnH
P0AEK7	gcst_ecoli	fdni_ecoli	gcvT	fdnI
P09373	gcst_ecoli	pflb_ecoli	gcvT	pflB
P76108	gcst_ecoli	ydcS_ecoli	gcvT	ydcS
P0A6F5	glf_ecoli	ch60_ecoli	glf	groL
P18843	glf_ecoli	nade_ecoli	glf	nadE
P16690	glf_ecoli	phnn_ecoli	glf	phnN
P18843	glk_ecoli	nade_ecoli	glk	nadE
P0A8I3	glk_ecoli	yaaa_ecoli	glk	yaaA
P77721	glk_ecoli	ydjf_ecoli	glk	ydjF
P08622	glms_ecoli	dnaj_ecoli	glmS	dnaj
P76552	glms_ecoli	euth_ecoli	glmS	eutH
P61175	glms_ecoli	rl22_ecoli	glmS	rpIV
P00957	glms_ecoli	sya_ecoli	glmS	alaS
P0AFZ7	glms_ecoli	trkh_ecoli	glmS	trkH
P76093	glms_ecoli	ynbd_ecoli	glmS	ynbD
P33366	glms_ecoli	yohd_ecoli	glmS	yohD
P0ADY7	glna_ecoli	rl16_ecoli	glnA	rpIP
P0AG44	glna_ecoli	rl17_ecoli	glnA	rpIQ
P60422	glna_ecoli	rl2_ecoli	glnA	rpIB

P0A7V3	glna_ecoli	rs3_ecoli	glnA	rpsC
P75989	glna_ecoli	ycge_ecoli	glnA	ycgE
P0A6F5	glnD_ecoli	ch60_ecoli	glnD	groL
P0AC55	glnD_ecoli	glnk_ecoli	glnD	glnK
P13035	glnD_ecoli	glpd_ecoli	glnD	glpD
P60785	glnD_ecoli	lepa_ecoli	glnD	lepA
P22523	glnD_ecoli	mukb_ecoli	glnD	mukB
P18843	glnD_ecoli	nade_ecoli	glnD	nadE
P0ABL5	glnD_ecoli	napc_ecoli	glnD	napC
P0A7H0	glnD_ecoli	recf_ecoli	glnD	recF
P00957	glnD_ecoli	sya_ecoli	glnD	alaS
P06612	glnD_ecoli	top1_ecoli	glnD	topA
P39304	glnD_ecoli	ulad_ecoli	glnD	ulaD
P0ADE4	glnD_ecoli	ytfm_ecoli	glnD	ytfM
P76104	glnh_ecoli	ydcP_ecoli	glnH	ydcP
P0A6F5	glpd_ecoli	ch60_ecoli	glpD	groL
P08622	glpd_ecoli	dnaj_ecoli	glpD	dnaJ
P06974	glpd_ecoli	fliM_ecoli	glpD	fliM
P18843	glpd_ecoli	nade_ecoli	glpD	nadE
P0ACD4	glpd_ecoli	nifu_ecoli	glpD	nifU
P0A7J0	glpd_ecoli	ribb_ecoli	glpD	ribB
P60422	glpd_ecoli	rl2_ecoli	glpD	rplB
P0A7V8	glpd_ecoli	rs4_ecoli	glpD	rpsD
P0A7W1	glpd_ecoli	rs5_ecoli	glpD	rpsE
P0A9K9	glpd_ecoli	slyD_ecoli	glpD	slyD
P39334	glpd_ecoli	yjjj_ecoli	glpD	yjjJ
P0ABE2	glrx4_ecoli	bola_ecoli	grxD	bolA
P69913	glrx4_ecoli	csra_ecoli	grxD	csrA
P22255	glrx4_ecoli	cysq_ecoli	grxD	cysQ
P0A9A9	glrx4_ecoli	fur_ecoli	grxD	fur
P0A9X4	glrx4_ecoli	mreb_ecoli	grxD	mreB
P18843	glrx4_ecoli	nade_ecoli	grxD	nadE
P0ABL5	glrx4_ecoli	napc_ecoli	grxD	napC

POA772	glrx4_ecoli	nrDI_ecoli	grxD	nrDI
POAFD1	glrx4_ecoli	nuoe_ecoli	grxD	nuoE
P16456	glrx4_ecoli	seld_ecoli	grxD	seld
POA9K9	glrx4_ecoli	slyD_ecoli	grxD	slyD
P64521	glrx4_ecoli	yeet_ecoli	grxD	yeet
POAAI9	glsa1_ecoli	fabD_ecoli	glsA1	fabD
POA8Y5	glsa1_ecoli	yida_ecoli	glsA1	yidA
P09831	gltD_ecoli	gltB_ecoli	gltD	gltB
P09831	gltD_ecoli	gltB_ecoli	gltD	gltB
P75970	glyA_ecoli	vxis_ecoli	glyA	xisE
POACJ5	glyA_ecoli	ybaO_ecoli	glyA	ybaO
P64574	glyA_ecoli	yghW_ecoli	glyA	yghW
P75977	glyA_ecoli	ymfM_ecoli	glyA	ymfM
POABY2	gmhb_ecoli	flit_ecoli	gmhB	fliT
P60422	gmhb_ecoli	rl2_ecoli	gmhB	rplB
POADZ4	gmhb_ecoli	rs15_ecoli	gmhB	rpsO
P02358	gmhb_ecoli	rs6_ecoli	gmhB	rpsF
P32685	gmhb_ecoli	yjbd_ecoli	gmhB	yjbd
P00722	gnsA_ecoli	bgaI_ecoli	gnsA	lacZ
POA6B7	gnsA_ecoli	iscS_ecoli	gnsA	iscS
POAEU7	gnsA_ecoli	skp_ecoli	gnsA	skp
POA890	gnsA_ecoli	tusA_ecoli	gnsA	tusA
POA8B5	gnsA_ecoli	ybaB_ecoli	gnsA	ybaB
POAE08	gpda_ecoli	ahpC_ecoli	gpsA	ahpC
POA951	gpda_ecoli	atda_ecoli	gpsA	speG
POA9H3	gpda_ecoli	ldci_ecoli	gpsA	cadA
P18843	gpda_ecoli	nade_ecoli	gpsA	nadE
POAG30	gpda_ecoli	rho_ecoli	gpsA	rho

P0AB71	gpma_ecoli	alf_ecoli	gpma	fbaA
P0AB91	gpma_ecoli	arog_ecoli	gpma	aroG
P25549	gpma_ecoli	asla_ecoli	gpma	asIA
P37689	gpma_ecoli	gpmi_ecoli	gpma	gpml
P04816	gpma_ecoli	livk_ecoli	gpma	livK
P50456	gpma_ecoli	mlc_ecoli	gpma	mlc
P18843	gpma_ecoli	nade_ecoli	gpma	nadE
P15288	gpma_ecoli	pepd_ecoli	gpma	pepD
P0A7D7	gpma_ecoli	pur7_ecoli	gpma	purC
P0A7M2	gpma_ecoli	rl28_ecoli	gpma	rpmB
P0A8M3	gpma_ecoli	syt_ecoli	gpma	thrS
P0AG71	gpmb_ecoli	rmuc_ecoli	gpmb	rmuC
P0A9H3	gpmi_ecoli	ldci_ecoli	gpml	cadA
P18843	gpmi_ecoli	nade_ecoli	gpml	nadE
P77188	grca_ecoli	matc_ecoli	grcA	matC
P20083	grca_ecoli	pare_ecoli	grcA	parE
P09373	grca_ecoli	pflb_ecoli	grcA	pflB
P09373	grca_ecoli	pflb_ecoli	grcA	pflB
P09373	grca_ecoli	pflb_ecoli	grcA	pflB
P60723	grca_ecoli	rl4_ecoli	grcA	rpID
P0A7U7	grca_ecoli	rs20_ecoli	grcA	rpsT
P0A8N5	grca_ecoli	syk2_ecoli	grcA	lysU
P42632	grca_ecoli	tdce_ecoli	grcA	tdcE
P0A858	grca_ecoli	tpis_ecoli	grcA	tpiA
P77402	grca_ecoli	ydiP_ecoli	grcA	ydiP
P0A9Q7	greA_ecoli	adhe_ecoli	greA	adhE
P0ABB4	greA_ecoli	atpb_ecoli	greA	atpD
P00968	greA_ecoli	carb_ecoli	greA	carB
P0A6H1	greA_ecoli	clpx_ecoli	greA	clpX
P0A6Y8	greA_ecoli	dnak_ecoli	greA	dnaK
P0CE47	greA_ecoli	eftu1_ecoli	greA	tufA
P0A9B2	greA_ecoli	g3p1_ecoli	greA	gapA
P0C8J8	greA_ecoli	gatz_ecoli	greA	gatZ
P0ADG7	greA_ecoli	imdH_ecoli	greA	guaB
P0A717	greA_ecoli	kprs_ecoli	greA	prs
P25665	greA_ecoli	mete_ecoli	greA	metE
P18843	greA_ecoli	nade_ecoli	greA	nadE
P0AFG8	greA_ecoli	odp1_ecoli	greA	aceE
P08839	greA_ecoli	pt1_ecoli	greA	ptsl
P0AG30	greA_ecoli	rho_ecoli	greA	rho
P0A7J3	greA_ecoli	rl10_ecoli	greA	rpIJ

P0AA10	grea_ecoli	rl13_ecoli	greA	rpIM
P60422	grea_ecoli	rl2_ecoli	greA	rpIB
P60723	grea_ecoli	rl4_ecoli	greA	rpID
P62399	grea_ecoli	rl5_ecoli	greA	rpIE
P0A7Z4	grea_ecoli	rpoa_ecoli	greA	rpoA
P0A8V2	grea_ecoli	rpob_ecoli	greA	rpoB
P0A8T7	grea_ecoli	rpoc_ecoli	greA	rpoC
P0A7R5	grea_ecoli	rs10_ecoli	greA	rpsJ
P0A7V0	grea_ecoli	rs2_ecoli	greA	rpsB
P0A7W1	grea_ecoli	rs5_ecoli	greA	rpsE
P02359	grea_ecoli	rs7_ecoli	greA	rpsG
P10408	grea_ecoli	seca_ecoli	greA	secA
P0A8M3	grea_ecoli	syt_ecoli	greA	thrS
P30177	grea_ecoli	ybib_ecoli	greA	ybiB
P0ACY3	grea_ecoli	yeag_ecoli	greA	yeaG
P0AGJ5	grea_ecoli	yfif_ecoli	greA	yfiF

P0ABL8	grpe_ecoli	ccmb_ecoli	grpE	ccmB
P63284	grpe_ecoli	clpb_ecoli	grpE	clpB
P69908	grpe_ecoli	dcea_ecoli	grpE	gadA
P69910	grpe_ecoli	dceb_ecoli	grpE	gadB
P0A6Y8	grpe_ecoli	dnak_ecoli	grpE	dnaK
P0A6Y8	grpe_ecoli	dnak_ecoli	grpE	dnaK
P0A6Y8	grpe_ecoli	dnak_ecoli	grpE	dnaK
P08555	grpe_ecoli	dsdx_ecoli	grpE	dsdX
P0CE47	grpe_ecoli	eftu1_ecoli	grpE	tufA
P52600	grpe_ecoli	emry_ecoli	grpE	emrY
P0ADI4	grpe_ecoli	entb_ecoli	grpE	entB
P0ACZ4	grpe_ecoli	evga_ecoli	grpE	evgA
P33235	grpe_ecoli	flgk_ecoli	grpE	flgK
P0A9A9	grpe_ecoli	fur_ecoli	grpE	fur
P0A6W5	grpe_ecoli	grea_ecoli	grpE	greA
P0A9M0	grpe_ecoli	lon_ecoli	grpE	lon
P77188	grpe_ecoli	matc_ecoli	grpE	matC
P0A817	grpe_ecoli	metk_ecoli	grpE	metK
P0A769	grpe_ecoli	mntH_ecoli	grpE	mntH
P18843	grpe_ecoli	nade_ecoli	grpE	nadE
P0AFG0	grpe_ecoli	nusg_ecoli	grpE	nusG
P76078	grpe_ecoli	paab_ecoli	grpE	paaB
P15288	grpe_ecoli	pepd_ecoli	grpE	pepD
P16690	grpe_ecoli	phnN_ecoli	grpE	phnN
P0AG30	grpe_ecoli	rho_ecoli	grpE	rho
P0A7J3	grpe_ecoli	rl10_ecoli	grpE	rpIJ
P0ADY3	grpe_ecoli	rl14_ecoli	grpE	rpIN
P02413	grpe_ecoli	rl15_ecoli	grpE	rpIO

P0AG44	grpe_ecoli	rl17_ecoli	grpE	rplQ
P0A7K6	grpe_ecoli	rl19_ecoli	grpE	rplS
P0A7K6	grpe_ecoli	rl19_ecoli	grpE	rplS
P0A7N9	grpe_ecoli	rl33_ecoli	grpE	rpmG
P60723	grpe_ecoli	rl4_ecoli	grpE	rplD
P0A7K2	grpe_ecoli	rl7_ecoli	grpE	rplL
P0A7V0	grpe_ecoli	rs2_ecoli	grpE	rpsB
P0A7W1	grpe_ecoli	rs5_ecoli	grpE	rpsE
P02359	grpe_ecoli	rs7_ecoli	grpE	rpsG
P0A7X3	grpe_ecoli	rs9_ecoli	grpE	rpsI
P68191	grpe_ecoli	sra_ecoli	grpE	sra
Q47538	grpe_ecoli	taub_ecoli	grpE	tauB
P30139	grpe_ecoli	thig_ecoli	grpE	thiG
P46923	grpe_ecoli	torz_ecoli	grpE	torZ
P0AG03	grpe_ecoli	ubix_ecoli	grpE	ubiX
P77536	grpe_ecoli	ykgf_ecoli	grpE	ykgF
P0ACS5	grpe_ecoli	zntr_ecoli	grpE	zntR

P40120	gsh1_ecoli	opgd_ecoli	gshA	mdoD
P76104	gsh1_ecoli	ydcP_ecoli	gshA	ydcP
P18843	gshr_ecoli	nade_ecoli	gor	nadE
P60422	gspe_ecoli	rl2_ecoli	gspE	rplB

P18843	guaa_ecoli	nade_ecoli	guaA	nadE
P16690	guaa_ecoli	phnn_ecoli	guaA	phnN

P00509	gyra_ecoli	aat_ecoli	gyrA	aspC
P22333	gyra_ecoli	add_ecoli	gyrA	add
P0AE67	gyra_ecoli	chey_ecoli	gyrA	cheY
P0ABH9	gyra_ecoli	clpa_ecoli	gyrA	clpA
P0A9P0	gyra_ecoli	dldh_ecoli	gyrA	lpdA
P08622	gyra_ecoli	dnaj_ecoli	gyrA	dnaJ
P0A6Y8	gyra_ecoli	dnak_ecoli	gyrA	dnaK
P0CE47	gyra_ecoli	eftu1_ecoli	gyrA	tufA
P0CE47	gyra_ecoli	eftu1_ecoli	gyrA	tufA
P0AEM4	gyra_ecoli	flgm_ecoli	gyrA	flgM
P0ABZ1	gyra_ecoli	flig_ecoli	gyrA	fliG
P0A9A6	gyra_ecoli	ftsZ_ecoli	gyrA	ftsZ
P0AES4	gyra_ecoli	gyra_ecoli	gyrA	gyrA

POAES6	gyra_ecoli	gyrb_ecoli	gyrA	gyrB
POAES6	gyra_ecoli	gyrb_ecoli	gyrA	gyrB
POA9P9	gyra_ecoli	idno_ecoli	gyrA	idnO
P68187	gyra_ecoli	malk_ecoli	gyrA	malkK
POA817	gyra_ecoli	metk_ecoli	gyrA	metK
POA9X4	gyra_ecoli	mreb_ecoli	gyrA	mreB
POA772	gyra_ecoli	nrDI_ecoli	gyrA	nrDI
P06959	gyra_ecoli	odp2_ecoli	gyrA	aceF
POAAH0	gyra_ecoli	pstb_ecoli	gyrA	pstB
Q9F557	gyra_ecoli	q9f557_ecolx	gyrA	ycgC
POA7G6	gyra_ecoli	reca_ecoli	gyrA	recA
POAG30	gyra_ecoli	rho_ecoli	gyrA	rho
POA7L8	gyra_ecoli	rl27_ecoli	gyrA	rpmA
POA7U3	gyra_ecoli	rs19_ecoli	gyrA	rpsS
POA7V0	gyra_ecoli	rs2_ecoli	gyrA	rpsB
POA7V0	gyra_ecoli	rs2_ecoli	gyrA	rpsB
POA6U5	gyra_ecoli	rsmg_ecoli	gyrA	rsmG
P46850	gyra_ecoli	rtcb_ecoli	gyrA	rtcB
POAGD7	gyra_ecoli	srp54_ecoli	gyrA	ffh
P00961	gyra_ecoli	sygb_ecoli	gyrA	glyS
P11875	gyra_ecoli	syr_ecoli	gyrA	argS
P76464	gyra_ecoli	yfas_ecoli	gyrA	yfaS
P39308	gyra_ecoli	yjfz_ecoli	gyrA	yjfZ
P14377	gyra_ecoli	zras_ecoli	gyrA	zraS
P39404	gyrb_ecoli	bgIJ_ecoli	gyrB	bgIJ
POA9P6	gyrb_ecoli	dead_ecoli	gyrB	deaD
POCE47	gyrb_ecoli	eftu1_ecoli	gyrB	tufA
POCE47	gyrb_ecoli	eftu1_ecoli	gyrB	tufA
POAES4	gyrb_ecoli	gyra_ecoli	gyrB	gyrA
POAES4	gyrb_ecoli	gyra_ecoli	gyrB	gyrA
POAES4	gyrb_ecoli	gyra_ecoli	gyrB	gyrA
POA817	gyrb_ecoli	metk_ecoli	gyrB	metK
P20083	gyrb_ecoli	pare_ecoli	gyrB	parE
P42184	gyrb_ecoli	prsa_ecolx	gyrB	prsA
POA7J3	gyrb_ecoli	rl10_ecoli	gyrB	rplJ
POADZ0	gyrb_ecoli	rl23_ecoli	gyrB	rplW
POA7V0	gyrb_ecoli	rs2_ecoli	gyrB	rpsB
P00961	gyrb_ecoli	sygb_ecoli	gyrB	glyS
POA8H8	gyrb_ecoli	yacg_ecoli	gyrB	yacG
POA8H8	gyrb_ecoli	yacg_ecoli	gyrB	yacG
P31680	hcha_ecoli	djIA_ecoli	hchA	djIA

P18843	hcha_ecoli	nade_ecoli	hchA	nadE
POA853	hcha_ecoli	tnaa_ecoli	hchA	tnaA

POA6F5	hdha_ecoli	ch60_ecoli	hdhA	groL
POADZ4	hdha_ecoli	rs15_ecoli	hdhA	rpsO
P39177	hdha_ecoli	uspg_ecoli	hdhA	uspG

POABB4	held_ecoli	atpb_ecoli	held	atpD
POABD8	held_ecoli	bccp_ecoli	held	accB
POA6F5	held_ecoli	ch60_ecoli	held	groL
POA6F5	held_ecoli	ch60_ecoli	held	groL
P69913	held_ecoli	csra_ecoli	held	csrA
P69910	held_ecoli	dceb_ecoli	held	gadB
POA6Y8	held_ecoli	dnak_ecoli	held	dnaK
POA6Y8	held_ecoli	dnak_ecoli	held	dnaK
POCE47	held_ecoli	eftu1_ecoli	held	tufA
POCE47	held_ecoli	eftu1_ecoli	held	tufA
POA9B2	held_ecoli	g3p1_ecoli	held	gapA
P33195	held_ecoli	gcsp_ecoli	held	gcvP
POA705	held_ecoli	if2_ecoli	held	infB
P60716	held_ecoli	lipa_ecoli	held	lipA
P09373	held_ecoli	pflb_ecoli	held	pflB
POA799	held_ecoli	pgk_ecoli	held	pgk
P08839	held_ecoli	pt1_ecoli	held	ptsI
POAG48	held_ecoli	rl21_ecoli	held	rplU
P60438	held_ecoli	rl3_ecoli	held	rplC
P60723	held_ecoli	rl4_ecoli	held	rplD
POA7K2	held_ecoli	rl7_ecoli	held	rplL
POAG67	held_ecoli	rs1_ecoli	held	rpsA
P02359	held_ecoli	rs7_ecoli	held	rpsG
POA858	held_ecoli	tpis_ecoli	held	tpiA

P42593	hem2_ecoli	fadh_ecoli	hemB	fadH
POAEU0	hem2_ecoli	hisj_ecoli	hemB	hisJ
POAFY2	hem2_ecoli	sana_ecoli	hemB	sanA

POACE0	hflc_ecoli	mbhm_ecoli	hflC	hybC
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P60422	hflc_ecoli	rl2_ecoli	hflC	rpIB
P27836	hflc_ecoli	wecg_ecoli	hflC	wecG
P77774	hflc_ecoli	yfgl_ecoli	hflC	yfgL

P33224	hfq_ecoli	aidb_ecoli	hfq	aidB
P0A9Y6	hfq_ecoli	cspc_ecoli	hfq	cspC
P69913	hfq_ecoli	csra_ecoli	hfq	csrA
P0ACF0	hfq_ecoli	dbha_ecoli	hfq	hupA
P0ACF0	hfq_ecoli	dbha_ecoli	hfq	hupA
P0ACF4	hfq_ecoli	dbhb_ecoli	hfq	hupB
P0A9P6	hfq_ecoli	dead_ecoli	hfq	deaD
P08622	hfq_ecoli	dnaj_ecoli	hfq	dnaJ
P0A6Y8	hfq_ecoli	dnak_ecoli	hfq	dnaK
P0CE47	hfq_ecoli	eftu1_ecoli	hfq	tufA
P0A6P9	hfq_ecoli	eno_ecoli	hfq	eno
P43329	hfq_ecoli	hrpa_ecoli	hfq	hrpA
P0A9M0	hfq_ecoli	lon_ecoli	hfq	lon
P21645	hfq_ecoli	lpxd_ecoli	hfq	lpxD
P68739	hfq_ecoli	nfi_ecoli	hfq	nfi
P05055	hfq_ecoli	pnp_ecoli	hfq	pnp
P0AG30	hfq_ecoli	rho_ecoli	hfq	rho
P0AG30	hfq_ecoli	rho_ecoli	hfq	rho
P0A7L0	hfq_ecoli	rl1_ecoli	hfq	rpIA
P0AA10	hfq_ecoli	rl13_ecoli	hfq	rpIM
P0ADY3	hfq_ecoli	rl14_ecoli	hfq	rpIN
P02413	hfq_ecoli	rl15_ecoli	hfq	rpIO
P0A7K6	hfq_ecoli	rl19_ecoli	hfq	rpIS
P60422	hfq_ecoli	rl2_ecoli	hfq	rpIB
P60422	hfq_ecoli	rl2_ecoli	hfq	rpIB
P0A7L3	hfq_ecoli	rl20_ecoli	hfq	rpIT
P0AG48	hfq_ecoli	rl21_ecoli	hfq	rpIU
P61175	hfq_ecoli	rl22_ecoli	hfq	rpIV
P60624	hfq_ecoli	rl24_ecoli	hfq	rpIX
P0A7M2	hfq_ecoli	rl28_ecoli	hfq	rpmB
P60438	hfq_ecoli	rl3_ecoli	hfq	rpIC
P60438	hfq_ecoli	rl3_ecoli	hfq	rpIC
P60723	hfq_ecoli	rl4_ecoli	hfq	rpID
P60723	hfq_ecoli	rl4_ecoli	hfq	rpID
P0A7K2	hfq_ecoli	rl7_ecoli	hfq	rpIL
P0A7R1	hfq_ecoli	rl9_ecoli	hfq	rpII
P75864	hfq_ecoli	rlmI_ecoli	hfq	rlmL

P37765	hfq_ecoli	rlub_ecoli	hfq	rluB
P21513	hfq_ecoli	rne_ecoli	hfq	rne
P0A9J0	hfq_ecoli	rng_ecoli	hfq	rng
P21499	hfq_ecoli	rnrr_ecoli	hfq	rnrr
P21499	hfq_ecoli	rnrr_ecoli	hfq	rnrr
P0ACI0	hfq_ecoli	rob_ecoli	hfq	rob
P0A7Z4	hfq_ecoli	rpoa_ecoli	hfq	rpoA
P0A8V2	hfq_ecoli	rpob_ecoli	hfq	rpob
P0A8T7	hfq_ecoli	rpoc_ecoli	hfq	rpoc
P0AG67	hfq_ecoli	rs1_ecoli	hfq	rpsA
P0AG67	hfq_ecoli	rs1_ecoli	hfq	rpsA
P0A7S9	hfq_ecoli	rs13_ecoli	hfq	rpsM
P0A7S9	hfq_ecoli	rs13_ecoli	hfq	rpsM
P0A7T3	hfq_ecoli	rs16_ecoli	hfq	rpsP
P0A7T7	hfq_ecoli	rs18_ecoli	hfq	rpsR
P0A7V0	hfq_ecoli	rs2_ecoli	hfq	rpsB
P0A7V0	hfq_ecoli	rs2_ecoli	hfq	rpsB
P0A7V3	hfq_ecoli	rs3_ecoli	hfq	rpsC
P0A7V8	hfq_ecoli	rs4_ecoli	hfq	rpsD
P0A7V8	hfq_ecoli	rs4_ecoli	hfq	rpsD
P0A7W1	hfq_ecoli	rs5_ecoli	hfq	rpsE
P02358	hfq_ecoli	rs6_ecoli	hfq	rpsF
P02359	hfq_ecoli	rs7_ecoli	hfq	rpsG
P10408	hfq_ecoli	seca_ecoli	hfq	secA
P14081	hfq_ecoli	selb_ecoli	hfq	selB
P0AEU7	hfq_ecoli	skp_ecoli	hfq	skp
P0AEU7	hfq_ecoli	skp_ecoli	hfq	skp
P0AG24	hfq_ecoli	spot_ecoli	hfq	spoT
P0A847	hfq_ecoli	tgt_ecoli	hfq	tgt
P0A850	hfq_ecoli	tig_ecoli	hfq	tig
P39177	hfq_ecoli	uspg_ecoli	hfq	uspG
P08245	hfq_ecoli	ycih_ecoli	hfq	yciH
P0AGJ5	hfq_ecoli	yfif_ecoli	hfq	yfiF
P25728	hfq_ecoli	ygba_ecoli	hfq	ygbA
P30871	hfq_ecoli	ygif_ecoli	hfq	ygiF

P0ABD5	hint_ecoli	acca_ecoli	hinT	accA
P0ABA6	hint_ecoli	atpg_ecoli	hinT	atpG
P0A6Y8	hint_ecoli	dnak_ecoli	hinT	dnaK
P0A988	hint_ecoli	dpo3b_ecoli	hinT	dnaN
P0CE47	hint_ecoli	eftu1_ecoli	hinT	tufA
P0AEZ7	hint_ecoli	mltd_ecoli	hinT	mltD
P22523	hint_ecoli	mukb_ecoli	hinT	mukB
P18843	hint_ecoli	nade_ecoli	hinT	nadE
P0AFD6	hint_ecoli	nuoi_ecoli	hinT	nuol

P0A862	hint_ecoli	tpx_ecoli	hinT	tpx
P77561	hint_ecoli	ydep_ecoli	hinT	ydeP
P0A894	hint_ecoli	yhbj_ecoli	hinT	yhbJ
P39359	hint_ecoli	yjhh_ecoli	hinT	yjhH
P0A6Y8	his4_ecoli	dnak_ecoli	hisA	dnak
POC077	his4_ecoli	rele_ecoli	hisA	reLE
P09831	his7_ecoli	gltb_ecoli	hisB	gltB
P15038	his7_ecoli	held_ecoli	hisB	helD
P23874	his8_ecoli	hipa_ecoli	hisC	hipA
P06988	his8_ecoli	hisx_ecoli	hisC	hisD
P0A9J8	his8_ecoli	phea_ecoli	hisC	pheA
P0A6F5	hldd_ecoli	ch60_ecoli	hldD	groL
P16703	hldd_ecoli	cysm_ecoli	hldD	cysM
P77268	hldd_ecoli	ddpd_ecoli	hldD	ddpD
P0A6Y8	hldd_ecoli	dnak_ecoli	hldD	dnak
P11454	hldd_ecoli	entf_ecoli	hldD	entF
P02413	hldd_ecoli	rl15_ecoli	hldD	rplO
P0A7K6	hldd_ecoli	rl19_ecoli	hldD	rplS
P60438	hldd_ecoli	rl3_ecoli	hldD	rplC
P02359	hldd_ecoli	rs7_ecoli	hldD	rpsG
P02359	hldd_ecoli	rs7_ecoli	hldD	rpsG
P10408	hldd_ecoli	seca_ecoli	hldD	secA
P33225	hldd_ecoli	tora_ecoli	hldD	torA
P75829	hldd_ecoli	ybjx_ecoli	hldD	ybjX
P76069	hldd_ecoli	yday_ecoli	hldD	ydaY
P0ADI9	hldd_ecoli	yhhn_ecoli	hldD	yhhN
P37657	hldd_ecoli	yhjs_ecoli	hldD	yhJS
P64467	hns_ecoli	cnu_ecoli	hns	cnu
P0ACF0	hns_ecoli	dbha_ecoli	hns	hupA
P0A717	hns_ecoli	kprs_ecoli	hns	prs
P15977	hns_ecoli	malq_ecoli	hns	malQ
P0AFG8	hns_ecoli	odp1_ecoli	hns	aceE
P00490	hns_ecoli	phsm_ecoli	hns	malP
P0ADY3	hns_ecoli	rl14_ecoli	hns	rplN

P61175	hns_ecoli	rl22_ecoli	hns	rpIV
P60624	hns_ecoli	rl24_ecoli	hns	rpIX
P0A8V2	hns_ecoli	rpob_ecoli	hns	rpoB
P0A8T7	hns_ecoli	rpoc_ecoli	hns	rpoC
P0A7V0	hns_ecoli	rs2_ecoli	hns	rpsB
P0A7V0	hns_ecoli	rs2_ecoli	hns	rpsB
P0A814	hns_ecoli	ruvc_ecoli	hns	ruvC
P10408	hns_ecoli	seca_ecoli	hns	secA
P28043	hns_ecoli	ssb2_ecolx	hns	ssb
P0ACG1	hns_ecoli	stpa_ecoli	hns	stpA
P0ACG1	hns_ecoli	stpa_ecoli	hns	stpA
P75869	hns_ecoli	sxy_ecoli	hns	sxy
P0A850	hns_ecoli	tig_ecoli	hns	tig
P75970	hns_ecoli	vxis_ecoli	hns	xisE
P76092	hns_ecoli	ynbc_ecoli	hns	ynbC

P0A9P0	hrpa_ecoli	dldh_ecoli	hrpA	lpdA
P0CE47	hrpa_ecoli	eftu1_ecoli	hrpA	tufA
P0AFG8	hrpa_ecoli	odp1_ecoli	hrpA	aceE
P06959	hrpa_ecoli	odp2_ecoli	hrpA	aceF
P0A7R1	hrpa_ecoli	rl9_ecoli	hrpA	rpII
P0AG67	hrpa_ecoli	rs1_ecoli	hrpA	rpsA
P0A7S9	hrpa_ecoli	rs13_ecoli	hrpA	rpsM
P0A7U3	hrpa_ecoli	rs19_ecoli	hrpA	rpsS
P0A7V0	hrpa_ecoli	rs2_ecoli	hrpA	rpsB
P0A7V3	hrpa_ecoli	rs3_ecoli	hrpA	rpsC
P0A7W1	hrpa_ecoli	rs5_ecoli	hrpA	rpsE
P02359	hrpa_ecoli	rs7_ecoli	hrpA	rpsG
P0AGJ5	hrpa_ecoli	yfif_ecoli	hrpA	yfiF

P0AE08	hsca_ecoli	ahpc_ecoli	hscA	ahpC
P0ABE7	hsca_ecoli	c562_ecolx	hscA	cybC
P0AE60	hsca_ecoli	ceda_ecoli	hscA	cedA
P0A9H9	hsca_ecoli	chez_ecoli	hscA	cheZ
P0ABY2	hsca_ecoli	flit_ecoli	hscA	fliT

P0AC92	hsca_ecoli	gnsa_ecoli	hscA	gnsA
P0ACD4	hsca_ecoli	nifu_ecoli	hscA	nifU
P37095	hsca_ecoli	pepb_ecoli	hscA	pepB
P69791	hsca_ecoli	ptqa_ecoli	hscA	chbA
P0A7J3	hsca_ecoli	rl10_ecoli	hscA	rplJ
P0A7J3	hsca_ecoli	rl10_ecoli	hscA	rplJ
P0ADY3	hsca_ecoli	rl14_ecoli	hscA	rplN
P0AG44	hsca_ecoli	rl17_ecoli	hscA	rplQ
P60422	hsca_ecoli	rl2_ecoli	hscA	rplB
P0A7L3	hsca_ecoli	rl20_ecoli	hscA	rplT
P62399	hsca_ecoli	rl5_ecoli	hscA	rplE
P0AG55	hsca_ecoli	rl6_ecoli	hscA	rplF
P0A7K2	hsca_ecoli	rl7_ecoli	hscA	rplL
P0A7V3	hsca_ecoli	rs3_ecoli	hscA	rpsC
P0A7V8	hsca_ecoli	rs4_ecoli	hscA	rpsD
P0A7W1	hsca_ecoli	rs5_ecoli	hscA	rpsE
P0A7X3	hsca_ecoli	rs9_ecoli	hscA	rpsI
P10408	hsca_ecoli	seca_ecoli	hscA	secA
P0AG80	hsca_ecoli	ugpb_ecoli	hscA	ugpB
Q46797	hsca_ecoli	ygeq_ecoli	hscA	ygeQ
P42598	hsca_ecoli	ygjq_ecoli	hscA	ygjQ

P0AEC3	hslo_ecoli	arcb_ecoli	hsLO	arcB
P0CE47	hslo_ecoli	eftu1_ecoli	hsLO	tufA
P0CE47	hslo_ecoli	eftu1_ecoli	hsLO	tufA
P33593	hslo_ecoli	nikd_ecoli	hsLO	nikD
P60438	hslo_ecoli	rl3_ecoli	hsLO	rplC
P0A7R5	hslo_ecoli	rs10_ecoli	hsLO	rpsJ
P0A7S3	hslo_ecoli	rs12_ecoli	hsLO	rpsL
P0A7V0	hslo_ecoli	rs2_ecoli	hsLO	rpsB
P0A7V3	hslo_ecoli	rs3_ecoli	hsLO	rpsC
P0A7W1	hslo_ecoli	rs5_ecoli	hsLO	rpsE
P02359	hslo_ecoli	rs7_ecoli	hsLO	rpsG

P0A6Y8	hslr_ecoli	dnak_ecoli	hslR	dnaK
P28224	hslr_ecoli	mlic_ecoli	hslR	mliC
P0AFJ5	hslr_ecoli	phob_ecoli	hslR	phoB
P0AG30	hslr_ecoli	rho_ecoli	hslR	rho
P0A7L0	hslr_ecoli	rl1_ecoli	hslR	rplA
P0AA10	hslr_ecoli	rl13_ecoli	hslR	rplM
P0ADY3	hslr_ecoli	rl14_ecoli	hslR	rplN
P0A7K6	hslr_ecoli	rl19_ecoli	hslR	rplS
P60422	hslr_ecoli	rl2_ecoli	hslR	rplB
P61175	hslr_ecoli	rl22_ecoli	hslR	rplV
P0A7M2	hslr_ecoli	rl28_ecoli	hslR	rpmB

P60723	hslr_ecoli	rl4_ecoli	hslR	rplD
P0A7R1	hslr_ecoli	rl9_ecoli	hslR	rplI
P0A7R5	hslr_ecoli	rs10_ecoli	hslR	rpsJ
P0A7V0	hslr_ecoli	rs2_ecoli	hslR	rpsB
P0A7V0	hslr_ecoli	rs2_ecoli	hslR	rpsB
P0A7V3	hslr_ecoli	rs3_ecoli	hslR	rpsC
P0A7V8	hslr_ecoli	rs4_ecoli	hslR	rpsD
P0A7W1	hslr_ecoli	rs5_ecoli	hslR	rpsE
P02359	hslr_ecoli	rs7_ecoli	hslR	rpsG
P46850	hslr_ecoli	rtcb_ecoli	hslR	rtcB
P13458	hslr_ecoli	sbcc_ecoli	hslR	sbcC
P75683	hslr_ecoli	yagg_ecoli	hslR	yagG
P75954	hslr_ecoli	ycfs_ecoli	hslR	ycfS

P24182	hslu_ecoli	accC_ecoli	hslU	accC
P0A9Q5	hslu_ecoli	accD_ecoli	hslU	accD
P00561	hslu_ecoli	ak1h_ecoli	hslU	thrA
P0ABD8	hslu_ecoli	bccp_ecoli	hslU	accB
P06961	hslu_ecoli	cca_ecoli	hslU	cca
P0ABL8	hslu_ecoli	ccmb_ecoli	hslU	ccmB
P0AEB0	hslu_ecoli	cysw_ecoli	hslU	cysW
P0AEE5	hslu_ecoli	dgal_ecoli	hslU	mgIB
P08622	hslu_ecoli	dnaj_ecoli	hslU	dnaJ
P08622	hslu_ecoli	dnaj_ecoli	hslU	dnaJ
P0A6Y8	hslu_ecoli	dnak_ecoli	hslU	dnaK
P0A6Y8	hslu_ecoli	dnak_ecoli	hslU	dnaK
P0A6M8	hslu_ecoli	efg_ecoli	hslU	fusA
P0CE47	hslu_ecoli	eftu1_ecoli	hslU	tufA
P0CE47	hslu_ecoli	eftu1_ecoli	hslU	tufA
P0A9A6	hslu_ecoli	ftsZ_ecoli	hslU	ftsZ
P0C8J8	hslu_ecoli	gatz_ecoli	hslU	gatZ
P0A7A2	hslu_ecoli	gpmb_ecoli	hslU	gpmB
P0A6H5	hslu_ecoli	hslu_ecoli	hslU	hslU
P0A7B8	hslu_ecoli	hslv_ecoli	hslU	hslV
P0A7B8	hslu_ecoli	hslv_ecoli	hslU	hslV
P0A7B8	hslu_ecoli	hslv_ecoli	hslU	hslV
P0A7B8	hslu_ecoli	hslv_ecoli	hslU	hslV
P0A7B8	hslu_ecoli	hslv_ecoli	hslU	hslV
P0A7B8	hslu_ecoli	hslv_ecoli	hslU	hslV
P0A8S1	hslu_ecoli	icia_ecoli	hslU	iciA
P0A9M0	hslu_ecoli	lon_ecoli	hslU	lon
P25665	hslu_ecoli	mete_ecoli	hslU	metE
P0A817	hslu_ecoli	metk_ecoli	hslU	metK
P0A9X4	hslu_ecoli	mreb_ecoli	hslU	mreB
P09152	hslu_ecoli	narg_ecoli	hslU	narG

P33599	hslu_ecoli	nuocd_ecoli	hslU	nuoC
P0A917	hslu_ecoli	ompx_ecoli	hslU	ompx
P0AAH0	hslu_ecoli	pstb_ecoli	hslU	pstB
P0A7G6	hslu_ecoli	reca_ecoli	hslU	recA
P25539	hslu_ecoli	ribd_ecoli	hslU	ribD
P0A7J3	hslu_ecoli	rl10_ecoli	hslU	rplJ
P0AA10	hslu_ecoli	rl13_ecoli	hslU	rplM
P0ADY7	hslu_ecoli	rl16_ecoli	hslU	rplP
P60438	hslu_ecoli	rl3_ecoli	hslU	rplC
P60723	hslu_ecoli	rl4_ecoli	hslU	rplD
P0A7K2	hslu_ecoli	rl7_ecoli	hslU	rplL
P0A7R5	hslu_ecoli	rs10_ecoli	hslU	rpsJ
P0A7V0	hslu_ecoli	rs2_ecoli	hslU	rpsB
P0A7W1	hslu_ecoli	rs5_ecoli	hslU	rpsE
P02359	hslu_ecoli	rs7_ecoli	hslU	rpsG
P10408	hslu_ecoli	seca_ecoli	hslU	secA
P0AFZ5	hslu_ecoli	sula_ecoli	hslU	sulA
P77318	hslu_ecoli	yden_ecoli	hslU	ydeN
P77804	hslu_ecoli	ydga_ecoli	hslU	ydgA
Q46787	hslu_ecoli	ygeg_ecoli	hslU	ygeG

P0ABD5	hslv_ecoli	acca_ecoli	hslV	accA
P24182	hslv_ecoli	accC_ecoli	hslV	accC
P0A9Q5	hslv_ecoli	accD_ecoli	hslV	accD
P0ABD8	hslv_ecoli	bccp_ecoli	hslV	accB
P0ABL8	hslv_ecoli	ccmb_ecoli	hslV	ccmB
P0A9P6	hslv_ecoli	dead_ecoli	hslV	deaD
P0CE47	hslv_ecoli	eftu1_ecoli	hslV	tufA
P25527	hslv_ecoli	gabp_ecoli	hslV	gabP
P0A6H5	hslv_ecoli	hslu_ecoli	hslV	hslU
P0A7B8	hslv_ecoli	hslv_ecoli	hslV	hslV
P0A717	hslv_ecoli	kprs_ecoli	hslV	prs
P0A7J3	hslv_ecoli	rl10_ecoli	hslV	rplJ
P0AG44	hslv_ecoli	rl17_ecoli	hslV	rplQ
P0A7K6	hslv_ecoli	rl19_ecoli	hslV	rplS
P60422	hslv_ecoli	rl2_ecoli	hslV	rplB
P0AG48	hslv_ecoli	rl21_ecoli	hslV	rplU
P61175	hslv_ecoli	rl22_ecoli	hslV	rplV
P61175	hslv_ecoli	rl22_ecoli	hslV	rplV
P60624	hslv_ecoli	rl24_ecoli	hslV	rplX
P0A7M6	hslv_ecoli	rl29_ecoli	hslV	rpmC
P60438	hslv_ecoli	rl3_ecoli	hslV	rplC
P60438	hslv_ecoli	rl3_ecoli	hslV	rplC
P0A7N9	hslv_ecoli	rl33_ecoli	hslV	rpmG
P60723	hslv_ecoli	rl4_ecoli	hslV	rplD

P60723	hslv_ecoli	rl4_ecoli	hslV	rpID
P0A7K2	hslv_ecoli	rl7_ecoli	hslV	rpIL
P0A7R1	hslv_ecoli	rl9_ecoli	hslV	rpII
P37765	hslv_ecoli	rlub_ecoli	hslV	rluB
P0A7S9	hslv_ecoli	rs13_ecoli	hslV	rpsM
P0A7T3	hslv_ecoli	rs16_ecoli	hslV	rpsP
P02359	hslv_ecoli	rs7_ecoli	hslV	rpsG
P0A858	hslv_ecoli	tpis_ecoli	hslV	tpiA
P0ADS9	hslv_ecoli	yggN_ecoli	hslV	yggN
Q46844	hslv_ecoli	yght_ecoli	hslV	yghT
P37642	hslv_ecoli	yhjd_ecoli	hslV	yhjD
P0A8H6	hslv_ecoli	yihl_ecoli	hslV	yihI

P36553	htpg_ecoli	hem6_ecoli	htpG	hemF
P77329	htpg_ecoli	hyfg_ecoli	htpG	hyfG
P15005	htpg_ecoli	mcrb_ecoli	htpG	mcrB
P37095	htpg_ecoli	pepb_ecoli	htpG	pepB
P60422	htpg_ecoli	rl2_ecoli	htpG	rpIB
P0A7M6	htpg_ecoli	rl29_ecoli	htpG	rpmC
P0A7N9	htpg_ecoli	rl33_ecoli	htpG	rpmG
P0A8T7	htpg_ecoli	rpoc_ecoli	htpG	rpoC
P02358	htpg_ecoli	rs6_ecoli	htpG	rpsF
P02359	htpg_ecoli	rs7_ecoli	htpG	rpsG
P0AG80	htpg_ecoli	ugpb_ecoli	htpG	ugpB
P75862	htpg_ecoli	ycbw_ecoli	htpG	ycbW
P76236	htpg_ecoli	yeai_ecoli	htpG	yeal
P52052	htpg_ecoli	yggr_ecoli	htpG	yggR

P30128	hybd_ecoli	greb_ecoli	hybD	greB
P60422	hybd_ecoli	rl2_ecoli	hybD	rpIB
P76121	hybd_ecoli	yddh_ecoli	hybD	yddH
P0ADK8	hybd_ecoli	yibl_ecoli	hybD	yibL

P10443	iada_ecoli	dpo3a_ecoli	iadA	dnaE
P16919	iada_ecoli	rhsd_ecoli	iadA	rhsD

P06612	iada_ecoli	top1_ecoli	iadA	topA
P37338	iada_ecoli	ygae_ecoli	iadA	ygaE
P67910	iclr_ecoli	hldd_ecoli	icLR	hldD
P06959	iclr_ecoli	odp2_ecoli	icLR	aceF
P0A7L0	iclr_ecoli	rl1_ecoli	icLR	rplA
P0AA10	iclr_ecoli	rl13_ecoli	icLR	rplM
P0A7L3	iclr_ecoli	rl20_ecoli	icLR	rplT
P0AG48	iclr_ecoli	rl21_ecoli	icLR	rplU
P61175	iclr_ecoli	rl22_ecoli	icLR	rplV
P60624	iclr_ecoli	rl24_ecoli	icLR	rplX
P60723	iclr_ecoli	rl4_ecoli	icLR	rplD
P0A7S9	iclr_ecoli	rs13_ecoli	icLR	rpsM
P0AG59	iclr_ecoli	rs14_ecoli	icLR	rpsN
P0A7V0	iclr_ecoli	rs2_ecoli	icLR	rpsB
P0A7V3	iclr_ecoli	rs3_ecoli	icLR	rpsC
P0A7W1	iclr_ecoli	rs5_ecoli	icLR	rpsE
P02358	iclr_ecoli	rs6_ecoli	icLR	rpsF
P02359	iclr_ecoli	rs7_ecoli	icLR	rpsG
P0A7W7	iclr_ecoli	rs8_ecoli	icLR	rpsH
P18843	idh_ecoli	nade_ecoli	icd	nadE
P76515	idh_ecoli	yfds_ecoli	icd	yfdS
P0ADK8	idh_ecoli	yibl_ecoli	icd	yibL
P76148	idh_ecoli	yneg_ecoli	icd	yneG
P31224	if1_ecoli	acrb_ecoli	infA	acrB
P00722	if1_ecoli	bgal_ecoli	infA	lacZ
P18843	if1_ecoli	nade_ecoli	infA	nadE
P39451	if2_ecoli	adhp_ecoli	infB	adhP
P23325	if2_ecoli	arpa_ecoli	infB	arpA
P0AE30	if2_ecoli	artm_ecoli	infB	artM
P0A6Y8	if2_ecoli	dnak_ecoli	infB	dnaK
P0AC73	if2_ecoli	ebgc_ecoli	infB	ebgC
P52613	if2_ecoli	flij_ecoli	infB	fliJ
P0A6W5	if2_ecoli	grea_ecoli	infB	greA
P09372	if2_ecoli	grpe_ecoli	infB	grpE
P30750	if2_ecoli	metn_ecoli	infB	metN
P77569	if2_ecoli	mhpr_ecoli	infB	mhpR
P00634	if2_ecoli	ppb_ecoli	infB	phoA
P00634	if2_ecoli	ppb_ecoli	infB	phoA
P25888	if2_ecoli	rhle_ecoli	infB	rhIE
P25539	if2_ecoli	ribd_ecoli	infB	ribD
P43672	if2_ecoli	uup_ecoli	infB	uup

P30177	if2_ecoli	ybib_ecoli	infB	ybiB
P46144	if2_ecoli	yedj_ecoli	infB	yedJ
P0ADE8	if2_ecoli	ygfz_ecoli	infB	ygfZ
P0ABL8	if3_ecoli	ccmb_ecoli	infC	ccmB
P0AEB2	if3_ecoli	daca_ecoli	infC	dacA
P0ACF4	if3_ecoli	dbhb_ecoli	infC	hupB
P0A9J0	if3_ecoli	rng_ecoli	infC	rng
P77499	if3_ecoli	sufc_ecoli	infC	sufC
P0AGJ5	if3_ecoli	yfif_ecoli	infC	yfiF
P0AGK4	if3_ecoli	yhby_ecoli	infC	yhby
P76092	if3_ecoli	ynbc_ecoli	infC	ynbC
P33997	ihfa_ecoli	alpa_ecoli	ihfA	alpA
P0A6Y8	ihfa_ecoli	dnak_ecoli	ihfA	dnaK
P0A6Y1	ihfa_ecoli	ihfb_ecoli	ihfA	ihfB
P18843	ihfa_ecoli	nade_ecoli	ihfA	nadE
P0A7L0	ihfa_ecoli	rl1_ecoli	ihfA	rplA
P0ADY3	ihfa_ecoli	rl14_ecoli	ihfA	rplN
P60438	ihfa_ecoli	rl3_ecoli	ihfA	rplC
P62399	ihfa_ecoli	rl5_ecoli	ihfA	rplE
P0A7V0	ihfa_ecoli	rs2_ecoli	ihfA	rpsB
P0A7V8	ihfa_ecoli	rs4_ecoli	ihfA	rpsD
P0A7V8	ihfa_ecoli	rs4_ecoli	ihfA	rpsD
P33341	ihfa_ecoli	yehb_ecoli	ihfA	yehB
P07639	ihfb_ecoli	arob_ecoli	ihfB	aroB
P0ACF0	ihfb_ecoli	dbha_ecoli	ihfB	hupA
P0ACF4	ihfb_ecoli	dbhb_ecoli	ihfB	hupB
P0AER8	ihfb_ecoli	gltS_ecoli	ihfB	gltS
P0A6X7	ihfb_ecoli	ihfa_ecoli	ihfB	ihfA
P0AFF6	ihfb_ecoli	nusa_ecoli	ihfB	nusA
P0A7L0	ihfb_ecoli	rl1_ecoli	ihfB	rplA
P0AA10	ihfb_ecoli	rl13_ecoli	ihfB	rplM
P02413	ihfb_ecoli	rl15_ecoli	ihfB	rplO
P0ADY7	ihfb_ecoli	rl16_ecoli	ihfB	rplP
P0A7K6	ihfb_ecoli	rl19_ecoli	ihfB	rplS
P60422	ihfb_ecoli	rl2_ecoli	ihfB	rplB
P0AG48	ihfb_ecoli	rl21_ecoli	ihfB	rplU
P61175	ihfb_ecoli	rl22_ecoli	ihfB	rplV
P0ADZ0	ihfb_ecoli	rl23_ecoli	ihfB	rplW
P0A7M6	ihfb_ecoli	rl29_ecoli	ihfB	rpmC
P60438	ihfb_ecoli	rl3_ecoli	ihfB	rplC
P0A7N9	ihfb_ecoli	rl33_ecoli	ihfB	rpmG
P60723	ihfb_ecoli	rl4_ecoli	ihfB	rplD

P62399	ihfb_ecoli	rl5_ecoli	ihfB	rpIE
P0A8T7	ihfb_ecoli	rpoc_ecoli	ihfB	rpoC
P0A7S9	ihfb_ecoli	rs13_ecoli	ihfB	rpsM
P0A7U3	ihfb_ecoli	rs19_ecoli	ihfB	rpsS
P0A7V3	ihfb_ecoli	rs3_ecoli	ihfB	rpsC
P0A7V8	ihfb_ecoli	rs4_ecoli	ihfB	rpsD
P0A7W1	ihfb_ecoli	rs5_ecoli	ihfB	rpsE
P02358	ihfb_ecoli	rs6_ecoli	ihfB	rpsF
P02359	ihfb_ecoli	rs7_ecoli	ihfB	rpsG
P0A7W7	ihfb_ecoli	rs8_ecoli	ihfB	rpsH
P39160	ihfb_ecoli	uxub_ecoli	ihfB	uxuB
P0AGK4	ihfb_ecoli	yhby_ecoli	ihfB	yhbY
P0AF90	ihfb_ecoli	yjgd_ecoli	ihfB	yjgD

P17998	immd_ecoli	cead_ecolx	cdi	cda
P17998	immd_ecoli	cead_ecolx	cdi	cda

P0A978	ints_ecoli	cspg_ecoli	intS	cspG
P0A9P0	ints_ecoli	dldh_ecoli	intS	lpdA
P06959	ints_ecoli	odp2_ecoli	intS	aceF
P06959	ints_ecoli	odp2_ecoli	intS	aceF

P37623	ipyr_ecoli	acpt_ecoli	ppa	acpT
P32705	ipyr_ecoli	actp_ecoli	ppa	actP
P76458	ipyr_ecoli	atod_ecoli	ppa	atoD
P0A6F5	ipyr_ecoli	ch60_ecoli	ppa	groL
P0A6J5	ipyr_ecoli	dada_ecoli	ppa	dadA
P39099	ipyr_ecoli	degq_ecoli	ppa	degQ
P0A6Y8	ipyr_ecoli	dnak_ecoli	ppa	dnaK
P0A988	ipyr_ecoli	dpo3b_ecoli	ppa	dnaN
P0CE47	ipyr_ecoli	eftu1_ecoli	ppa	tufA
P0ACB4	ipyr_ecoli	hemg_ecoli	ppa	hemG
P67910	ipyr_ecoli	hldd_ecoli	ppa	hldD
P13029	ipyr_ecoli	katg_ecoli	ppa	katG
P0A744	ipyr_ecoli	msra_ecoli	ppa	msrA
P25888	ipyr_ecoli	rhle_ecoli	ppa	rhIE
P0A7J3	ipyr_ecoli	rl10_ecoli	ppa	rplJ
P0AA10	ipyr_ecoli	rl13_ecoli	ppa	rplM
P0ADY3	ipyr_ecoli	rl14_ecoli	ppa	rplN

P0A7K6	ipyr_ecoli	rl19_ecoli	ppa	rplS
P61175	ipyr_ecoli	rl22_ecoli	ppa	rplV
P0A7M2	ipyr_ecoli	rl28_ecoli	ppa	rpmB
P60438	ipyr_ecoli	rl3_ecoli	ppa	rplC
P60723	ipyr_ecoli	rl4_ecoli	ppa	rplD
P60723	ipyr_ecoli	rl4_ecoli	ppa	rplD
P0A7R1	ipyr_ecoli	rl9_ecoli	ppa	rplI
P0A7R5	ipyr_ecoli	rs10_ecoli	ppa	rpsJ
P0AG59	ipyr_ecoli	rs14_ecoli	ppa	rpsN
P0A7V0	ipyr_ecoli	rs2_ecoli	ppa	rpsB
P0A7U7	ipyr_ecoli	rs20_ecoli	ppa	rpsT
P0A7V3	ipyr_ecoli	rs3_ecoli	ppa	rpsC
P0A7W1	ipyr_ecoli	rs5_ecoli	ppa	rpsE
P02359	ipyr_ecoli	rs7_ecoli	ppa	rpsG
P0A7W7	ipyr_ecoli	rs8_ecoli	ppa	rpsH
P0AG86	ipyr_ecoli	secb_ecoli	ppa	secB
P0A9K9	ipyr_ecoli	slyd_ecoli	ppa	slyD
P0A850	ipyr_ecoli	tig_ecoli	ppa	tig
P0A850	ipyr_ecoli	tig_ecoli	ppa	tig
P75750	ipyr_ecoli	ybgq_ecoli	ppa	ybgQ
P0AF90	ipyr_ecoli	yjgd_ecoli	ppa	yjgD

P0ABT2	isca_ecoli	dps_ecoli	iscA	dps
P0A9R4	isca_ecoli	fer_ecoli	iscA	fdx
P0A9R4	isca_ecoli	fer_ecoli	iscA	fdx
P0A744	isca_ecoli	msra_ecoli	iscA	msrA
P60422	isca_ecoli	rl2_ecoli	iscA	rplB
P00722	iscs_ecoli	bgal_ecoli	iscS	lacZ
P12999	iscs_ecoli	bioc_ecoli	iscS	bioC
P0A6Y8	iscs_ecoli	dnak_ecoli	iscS	dnaK
P32177	iscs_ecoli	fdhd_ecoli	iscS	fdhD
P0A6W5	iscs_ecoli	grea_ecoli	iscS	greA
P10441	iscs_ecoli	lpxb_ecoli	iscS	lpxB
P0AEZ7	iscs_ecoli	mltd_ecoli	iscS	mltD
P18843	iscs_ecoli	nade_ecoli	iscS	nadE
P0ABL5	iscs_ecoli	napc_ecoli	iscS	napC
P0ACD4	iscs_ecoli	nifu_ecoli	iscS	nifU
P0ACD4	iscs_ecoli	nifu_ecoli	iscS	nifU
P0ACD4	iscs_ecoli	nifu_ecoli	iscS	nifU
P75960	iscs_ecoli	npd_ecoli	iscS	npdA
P0A7X3	iscs_ecoli	rs9_ecoli	iscS	rpsI
P0A890	iscs_ecoli	tusa_ecoli	iscS	tusA
P52645	iscs_ecoli	ydbh_ecoli	iscS	ydbH

P0AE58	ispf_ecoli	caif_ecoli	ispF	caiF
P75936	ispf_ecoli	flgd_ecoli	ispF	flgD
P17169	ispe_ecoli	glms_ecoli	ispE	glmS
P67910	ispf_ecoli	hldd_ecoli	ispF	hldD
P0A7R5	ispf_ecoli	rs10_ecoli	ispF	rpsJ
P0A7V8	ispf_ecoli	rs4_ecoli	ispF	rpsD
P64570	ispf_ecoli	yqgc_ecoli	ispF	yqgC

P69811	k1pf_ecoli	ptfah_ecoli	fruK	fruB
P42598	k1pf_ecoli	ygiq_ecoli	fruK	ygiQ

P0A6E4	k6pf1_ecoli	assy_ecoli	pfkA	argG
P28861	k6pf1_ecoli	fenr_ecoli	pfkA	fpr
P21889	k6pf1_ecoli	syd_ecoli	pfkA	aspS
P0A858	k6pf1_ecoli	tpis_ecoli	pfkA	tpiA

P03960	kad_ecoli	atkb_ecoli	adk	kdpB
P25748	kad_ecoli	gals_ecoli	adk	galS
P0A6Z3	kad_ecoli	htpg_ecoli	adk	htpG
P0A8T7	kad_ecoli	rpoc_ecoli	adk	rpoC
P77806	kad_ecoli	ybdL_ecoli	adk	ybdL

P26266	katg_ecoli	fepe_ecoli	katG	fepE
P77569	katg_ecoli	mhpr_ecoli	katG	mhpR
P18843	katg_ecoli	nade_ecoli	katG	nadE
P0ACU0	katg_ecoli	ybih_ecoli	katG	ybiH

P0A6F5	kbl_ecoli	ch60_ecoli	kbl	groL
P0A7A7	kbl_ecoli	plsB_ecoli	kbl	plsB
P60723	kbl_ecoli	rl4_ecoli	kbl	rplD
P07913	kbl_ecoli	tdh_ecoli	kbl	tdh

P0ACF4	kdsb_ecoli	dbhb_ecoli	kdsB	hupB
P0AD01	kdsb_ecoli	dcur_ecoli	kdsB	dcur
P0AC41	kdsb_ecoli	dhsa_ecoli	kdsB	sdhA
P08622	kdsb_ecoli	dnaj_ecoli	kdsB	dnaJ
P0A6Y8	kdsb_ecoli	dnak_ecoli	kdsB	dnaK
P0CE47	kdsb_ecoli	eftu1_ecoli	kdsB	tufA
P18843	kdsb_ecoli	nade_ecoli	kdsB	nadE
P37095	kdsb_ecoli	pepb_ecoli	kdsB	pepB

P0A7J7	kdsb_ecoli	rl11_ecoli	kdsB	rpIK
P60723	kdsb_ecoli	rl4_ecoli	kdsB	rpID
P0A7K2	kdsb_ecoli	rl7_ecoli	kdsB	rpIL
P0AG67	kdsb_ecoli	rs1_ecoli	kdsB	rpsA
P0AFU2	kdsb_ecoli	yfbS_ecoli	kdsB	yfbS
P32681	kdsb_ecoli	yjah_ecoli	kdsB	yjaH
P0A7A7	kdsc_ecoli	plsb_ecoli	kdsC	plsB
P0AAH8	kdsc_ecoli	sapf_ecoli	kdsC	sapF
P05793	kgua_ecoli	ilvc_ecoli	gmk	ilvC
P0ADY7	kgua_ecoli	rl16_ecoli	gmk	rpIP
P0A7X3	kgua_ecoli	rs9_ecoli	gmk	rpsI
P77698	kgua_ecoli	ybck_ecoli	gmk	ybckK
P28916	kgua_ecoli	ybfd_ecoli	gmk	ybfD
P0A6F5	khse_ecoli	ch60_ecoli	thrB	groL
P13035	khse_ecoli	glpd_ecoli	thrB	glpD
P0A6F5	kprs_ecoli	ch60_ecoli	prs	groL
P0A9J6	kprs_ecoli	rbsk_ecoli	prs	rbsK
P00936	kpyk1_ecoli	cyaa_ecoli	pykF	cyaA
P0ABP8	kpyk1_ecoli	deod_ecoli	pykF	deoD
P0A6Y8	kpyk1_ecoli	dnak_ecoli	pykF	dnaK
P75882	kpyk1_ecoli	gfcD_ecoli	pykF	gfcD
P0A717	kpyk1_ecoli	kprs_ecoli	pykF	prs
P31554	kpyk1_ecoli	lptD_ecoli	pykF	lptD
P69741	kpyk1_ecoli	mbht_ecoli	pykF	hybO
P18843	kpyk1_ecoli	nade_ecoli	pykF	nadE
P09373	kpyk1_ecoli	pflb_ecoli	pykF	pflB
P0ACQ0	kpyk1_ecoli	rbsr_ecoli	pykF	rbsR
P75869	kpyk1_ecoli	sxy_ecoli	pykF	sxy
P0AGJ9	kpyk1_ecoli	syy_ecoli	pykF	tyrS
P63389	kpyk1_ecoli	yhes_ecoli	pykF	yheS
P32701	kpyk1_ecoli	yjcc_ecoli	pykF	yjcC
P42914	kpyk1_ecoli	yrai_ecoli	pykF	yral
P0A6Y8	kpyk2_ecoli	dnak_ecoli	pykA	dnaK

P06971	kpyk2_ecoli	fhua_ecoli	pykA	fhua
P0ADH5	kpyk2_ecoli	fimb_ecoli	pykA	fimB
P23930	kpyk2_ecoli	Int_ecoli	pykA	Int
P23909	kpyk2_ecoli	mutS_ecoli	pykA	mutS
P31678	kpyk2_ecoli	otsb_ecoli	pykA	otsB
P09373	kpyk2_ecoli	pflb_ecoli	pykA	pflB
P0A7B1	kpyk2_ecoli	ppk_ecoli	pykA	ppk
P19642	kpyk2_ecoli	ptocb_ecoli	pykA	malX
P0A8M3	kpyk2_ecoli	syt_ecoli	pykA	thrS
P0A850	kpyk2_ecoli	tig_ecoli	pykA	tig
P0A850	kpyk2_ecoli	tig_ecoli	pykA	tig
P52052	kpyk2_ecoli	yggr_ecoli	pykA	yggr
P18843	ldhd_ecoli	nade_ecoli	ldhA	nadE
P0AED5	ldhd_ecoli	uvry_ecoli	ldhA	uvrY
P52125	ldhd_ecoli	yfjj_ecoli	ldhA	yfjJ
P00803	lep_ecoli	lep_ecoli	lepB	lepB
P0A6C5	lepa_ecoli	arga_ecoli	lepA	argA
P0AEW1	lepa_ecoli	hyfe_ecoli	lepA	hyfE
P75830	lepa_ecoli	maca_ecoli	lepA	macA
P33025	lepa_ecoli	psug_ecoli	lepA	psuG
P76037	lepa_ecoli	puup_ecoli	lepA	puuP
P15032	lepa_ecoli	rece_ecoli	lepA	recE
P0AA10	lepa_ecoli	rl13_ecoli	lepA	rpIM
P61175	lepa_ecoli	rl22_ecoli	lepA	rpIV
P60624	lepa_ecoli	rl24_ecoli	lepA	rpIX
P60723	lepa_ecoli	rl4_ecoli	lepA	rpID
P0A7R1	lepa_ecoli	rl9_ecoli	lepA	rpII
P0A7R5	lepa_ecoli	rs10_ecoli	lepA	rpsJ
P0A7V0	lepa_ecoli	rs2_ecoli	lepA	rpsB
P0A7W1	lepa_ecoli	rs5_ecoli	lepA	rpsE
P02358	lepa_ecoli	rs6_ecoli	lepA	rpsF
P02359	lepa_ecoli	rs7_ecoli	lepA	rpsG
P0ADM6	lepa_ecoli	yidx_ecoli	lepA	yidX
P64423	lepa_ecoli	zntb_ecoli	lepA	zntB
P0A6F5	lipa_ecoli	ch60_ecoli	lipA	groL
P0A6Y8	lipa_ecoli	dnak_ecoli	lipA	dnaK
P22256	lipa_ecoli	gabt_ecoli	lipA	gabT
P18843	lipa_ecoli	nade_ecoli	lipA	nadE
P0A843	lipa_ecoli	tate_ecoli	lipA	tatE
P0A9T6	lipa_ecoli	ybaq_ecoli	lipA	ybaQ
P0ADK8	lipa_ecoli	yibl_ecoli	lipA	yibL

P0A6F5	lidd_ecoli	ch60_ecoli	lldD	groL
P67910	lidd_ecoli	hlidd_ecoli	lldD	hldD
P03837	lidd_ecoli	insh_ecoli	lldD	insH1
P03837	lidd_ecoli	insh_ecoli	lldD	insH1
P0AFB8	lidd_ecoli	ntrc_ecoli	lldD	glnG
P61175	lidd_ecoli	rl22_ecoli	lldD	rplV
P0A7M2	lidd_ecoli	rl28_ecoli	lldD	rpmB
P0A7V0	lidd_ecoli	rs2_ecoli	lldD	rpsB
P0A7V8	lidd_ecoli	rs4_ecoli	lldD	rpsD
P00960	lidd_ecoli	syga_ecoli	lldD	glyQ
P25531	lidd_ecoli	yicr_ecoli	lldD	yicR

P03004	lon_ecoli	dnaa_ecoli	lon	dnaA
P06710	lon_ecoli	dpo3x_ecoli	lon	dnaX
P0CE47	lon_ecoli	eftu1_ecoli	lon	tufA
P78055	lon_ecoli	fsaa_ecoli	lon	fsaA
P18843	lon_ecoli	nade_ecoli	lon	nadE
P0AA10	lon_ecoli	rl13_ecoli	lon	rplM
P0AA10	lon_ecoli	rl13_ecoli	lon	rplM
P0A7L3	lon_ecoli	rl20_ecoli	lon	rplT
P0AG48	lon_ecoli	rl21_ecoli	lon	rplU
P61175	lon_ecoli	rl22_ecoli	lon	rplV
P60438	lon_ecoli	rl3_ecoli	lon	rplC
P0A7R1	lon_ecoli	rl9_ecoli	lon	rplI
P0A7R1	lon_ecoli	rl9_ecoli	lon	rplI
P0A7V0	lon_ecoli	rs2_ecoli	lon	rpsB
P0A7V3	lon_ecoli	rs3_ecoli	lon	rpsC
P02359	lon_ecoli	rs7_ecoli	lon	rpsG
P0A7W7	lon_ecoli	rs8_ecoli	lon	rpsH
P0AAH8	lon_ecoli	sapf_ecoli	lon	sapF
P0AG86	lon_ecoli	secb_ecoli	lon	secB
P28043	lon_ecoli	ssb2_ecolx	lon	ssb
P39336	lon_ecoli	yjgl_ecoli	lon	yjgL

P61316	lpp_ecoli	lola_ecoli	lpp	lola
P69776	lpp_ecoli	lpp_ecoli	lpp	lpp

P25516	lpxa_ecoli	acon1_ecoli	lpxA	acnA
P06972	lpxa_ecoli	fhub_ecoli	lpxA	fhuB
P0AAI3	lpxa_ecoli	ftsh_ecoli	lpxA	ftsH
P0A9A9	lpxa_ecoli	fur_ecoli	lpxA	fur
P0CI31	lpxa_ecoli	hcab_ecoli	lpxA	hcaB

P0A6X3	lpxa_ecoli	hfq_ecoli	lpxA	hfq
P0AEZ7	lpxa_ecoli	mltd_ecoli	lpxA	mltD
P0A772	lpxa_ecoli	nrld_ecoli	lpxA	nrld
Q46920	lpxa_ecoli	quef_ecoli	lpxA	queF
P0A7J0	lpxa_ecoli	ribb_ecoli	lpxA	ribB
P0A7J3	lpxa_ecoli	rl10_ecoli	lpxA	rplJ
P0AA10	lpxa_ecoli	rl13_ecoli	lpxA	rplM
P0ADY3	lpxa_ecoli	rl14_ecoli	lpxA	rplN
P02413	lpxa_ecoli	rl15_ecoli	lpxA	rplO
P0AG44	lpxa_ecoli	rl17_ecoli	lpxA	rplQ
P0A7L3	lpxa_ecoli	rl20_ecoli	lpxA	rplT
P0AG48	lpxa_ecoli	rl21_ecoli	lpxA	rplU
P61175	lpxa_ecoli	rl22_ecoli	lpxA	rplV
P60624	lpxa_ecoli	rl24_ecoli	lpxA	rplX
P0A7M2	lpxa_ecoli	rl28_ecoli	lpxA	rpmB
P60438	lpxa_ecoli	rl3_ecoli	lpxA	rplC
P0A7N9	lpxa_ecoli	rl33_ecoli	lpxA	rpmG
P0AG55	lpxa_ecoli	rl6_ecoli	lpxA	rplF
P0AG55	lpxa_ecoli	rl6_ecoli	lpxA	rplF
P0A7K2	lpxa_ecoli	rl7_ecoli	lpxA	rplL
P0A7R5	lpxa_ecoli	rs10_ecoli	lpxA	rpsJ
P0A7V0	lpxa_ecoli	rs2_ecoli	lpxA	rpsB
P0A7U7	lpxa_ecoli	rs20_ecoli	lpxA	rpsT
P0A7V8	lpxa_ecoli	rs4_ecoli	lpxA	rpsD
P0A7X3	lpxa_ecoli	rs9_ecoli	lpxA	rpsI
P04693	lpxa_ecoli	tyrb_ecoli	lpxA	tyrB
P08245	lpxa_ecoli	ycih_ecoli	lpxA	yciH
P77781	lpxa_ecoli	ydii_ecoli	lpxA	ydii
P0ADK8	lpxa_ecoli	yibl_ecoli	lpxA	yibL
P0A6F5	lpxb_ecoli	ch60_ecoli	lpxB	groL
P0A6J5	lpxb_ecoli	dada_ecoli	lpxB	dadA
P0AC41	lpxb_ecoli	dhsa_ecoli	lpxB	sdhA
P08622	lpxb_ecoli	dnaj_ecoli	lpxB	dnaJ
P0CE47	lpxb_ecoli	eftu1_ecoli	lpxB	tufA
P0CE47	lpxb_ecoli	eftu1_ecoli	lpxB	tufA
P0A9A9	lpxb_ecoli	fur_ecoli	lpxB	fur
P13035	lpxb_ecoli	glpd_ecoli	lpxB	glpD
P0A717	lpxb_ecoli	kprs_ecoli	lpxB	prs
P0A9X4	lpxb_ecoli	mreb_ecoli	lpxB	mreB
P23538	lpxb_ecoli	ppsa_ecoli	lpxB	ppsA
P0A7J3	lpxb_ecoli	rl10_ecoli	lpxB	rplJ
P0AA10	lpxb_ecoli	rl13_ecoli	lpxB	rplM
P0A7K6	lpxb_ecoli	rl19_ecoli	lpxB	rplS
P0A7V0	lpxb_ecoli	rs2_ecoli	lpxB	rpsB

P33226	lpxb_ecoli	torc_ecoli	lpxB	torC
P60932	lpxb_ecoli	uppp_ecoli	lpxB	uppp
P39177	lpxb_ecoli	uspg_ecoli	lpxB	uspG
P0AAE5	lpxd_ecoli	arcd_ecoli	lpxD	ydgI
P0AC38	lpxd_ecoli	aspa_ecoli	lpxD	aspA
P36659	lpxd_ecoli	cbpa_ecoli	lpxD	cbpA
P36659	lpxd_ecoli	cbpa_ecoli	lpxD	cbpA
P0ABL8	lpxd_ecoli	ccmb_ecoli	lpxD	ccmB
Q46925	lpxd_ecoli	csda_ecoli	lpxD	csdA
P0AC41	lpxd_ecoli	dhsa_ecoli	lpxD	sdhA
P08622	lpxd_ecoli	dnaj_ecoli	lpxD	dnaJ
P67910	lpxd_ecoli	hldd_ecoli	lpxD	hldD
P0A722	lpxd_ecoli	lpxa_ecoli	lpxD	lpxA
P0AFJ1	lpxd_ecoli	phna_ecoli	lpxD	phnA
P23830	lpxd_ecoli	pss_ecoli	lpxD	pssA
P0AG30	lpxd_ecoli	rho_ecoli	lpxD	rho
P0A7L0	lpxd_ecoli	rl1_ecoli	lpxD	rplA
P0A7J7	lpxd_ecoli	rl11_ecoli	lpxD	rplK
P0AA10	lpxd_ecoli	rl13_ecoli	lpxD	rplM
P02413	lpxd_ecoli	rl15_ecoli	lpxD	rplO
P02413	lpxd_ecoli	rl15_ecoli	lpxD	rplO
P0ADY7	lpxd_ecoli	rl16_ecoli	lpxD	rplP
P0C018	lpxd_ecoli	rl18_ecoli	lpxD	rplR
P0A7K6	lpxd_ecoli	rl19_ecoli	lpxD	rplS
P60422	lpxd_ecoli	rl2_ecoli	lpxD	rplB
P60422	lpxd_ecoli	rl2_ecoli	lpxD	rplB
P0A7L3	lpxd_ecoli	rl20_ecoli	lpxD	rplT
P0AG48	lpxd_ecoli	rl21_ecoli	lpxD	rplU
P0AG48	lpxd_ecoli	rl21_ecoli	lpxD	rplU
P61175	lpxd_ecoli	rl22_ecoli	lpxD	rplV
P60624	lpxd_ecoli	rl24_ecoli	lpxD	rplX
P60438	lpxd_ecoli	rl3_ecoli	lpxD	rplC
P0A7N9	lpxd_ecoli	rl33_ecoli	lpxD	rpmG
P60723	lpxd_ecoli	rl4_ecoli	lpxD	rplD
P60723	lpxd_ecoli	rl4_ecoli	lpxD	rplD
P60723	lpxd_ecoli	rl4_ecoli	lpxD	rplD
P0A7K2	lpxd_ecoli	rl7_ecoli	lpxD	rplL
P0A7R1	lpxd_ecoli	rl9_ecoli	lpxD	rplI
P0A7R1	lpxd_ecoli	rl9_ecoli	lpxD	rplI
P75864	lpxd_ecoli	rlmI_ecoli	lpxD	rlmL
P37765	lpxd_ecoli	rlub_ecoli	lpxD	rluB
P0AFW4	lpxd_ecoli	rnk_ecoli	lpxD	rnk
P0A8T7	lpxd_ecoli	rpoc_ecoli	lpxD	rpoC
P0A7R5	lpxd_ecoli	rs10_ecoli	lpxD	rpsJ

P0A7S9	lpxd_ecoli	rs13_ecoli	lpxD	rpsM
P0A7T3	lpxd_ecoli	rs16_ecoli	lpxD	rpsP
P0A7T7	lpxd_ecoli	rs18_ecoli	lpxD	rpsR
P0A7T7	lpxd_ecoli	rs18_ecoli	lpxD	rpsR
P0A7V0	lpxd_ecoli	rs2_ecoli	lpxD	rpsB
P0A7V0	lpxd_ecoli	rs2_ecoli	lpxD	rpsB
P0A7U7	lpxd_ecoli	rs20_ecoli	lpxD	rpsT
P0A7V3	lpxd_ecoli	rs3_ecoli	lpxD	rpsC
P0A7V3	lpxd_ecoli	rs3_ecoli	lpxD	rpsC
P0A7V3	lpxd_ecoli	rs3_ecoli	lpxD	rpsC
P0A7V8	lpxd_ecoli	rs4_ecoli	lpxD	rpsD
P0A7V8	lpxd_ecoli	rs4_ecoli	lpxD	rpsD
P0A7V8	lpxd_ecoli	rs4_ecoli	lpxD	rpsD
P0A7W1	lpxd_ecoli	rs5_ecoli	lpxD	rpsE
P0A7W1	lpxd_ecoli	rs5_ecoli	lpxD	rpsE
P02359	lpxd_ecoli	rs7_ecoli	lpxD	rpsG
P02359	lpxd_ecoli	rs7_ecoli	lpxD	rpsG
P02359	lpxd_ecoli	rs7_ecoli	lpxD	rpsG
P0A7W7	lpxd_ecoli	rs8_ecoli	lpxD	rpsH
P0A7X3	lpxd_ecoli	rs9_ecoli	lpxD	rpsI
P00962	lpxd_ecoli	syq_ecoli	lpxD	glnS
P07023	lpxd_ecoli	tyra_ecoli	lpxD	tyrA
P76160	lpxd_ecoli	ydfR_ecoli	lpxD	ydfR
P0AGJ5	lpxd_ecoli	yfif_ecoli	lpxD	yfiF
P0AGK4	lpxd_ecoli	yhby_ecoli	lpxD	yhbyY
P0AF76	lpxd_ecoli	yjfi_ecoli	lpxD	yjfi
P18843	lrp_ecoli	nade_ecoli	lrp	nadE
P0A9P4	lrp_ecoli	trxb_ecoli	lrp	trxB
P18843	ltae_ecoli	nade_ecoli	ltaE	nadE
P00722	luxs_ecoli	bgal_ecoli	luxS	lacZ
P0A6Y8	luxs_ecoli	dnak_ecoli	luxS	dnaK
P52645	luxs_ecoli	ydbH_ecoli	luxS	ydbH
P0A910	lysd_ecoli	ompa_ecoli	arrD	ompA
P27129	lysr_ecoli	rfaj_ecoli	lysr	rfaj

P0A6F5	malt_ecoli	ch60_ecoli	malT	groL
P08622	malt_ecoli	dnaj_ecoli	malT	dnaJ
P0CE47	malt_ecoli	eftu1_ecoli	malT	tufA
P31574	malt_ecoli	fixb_ecoli	malT	fixB
P52613	malt_ecoli	flij_ecoli	malT	fliJ
P0A817	malt_ecoli	metk_ecoli	malT	metK
P0A9X4	malt_ecoli	mreb_ecoli	malT	mreB
P0AAH0	malt_ecoli	pstb_ecoli	malT	pstB
P0AG30	malt_ecoli	rho_ecoli	malT	rho
P0A7K6	malt_ecoli	rl19_ecoli	malT	rpIS

P31119	mana_ecoli	aas_ecoli	manA	aas
P12999	mana_ecoli	bioc_ecoli	manA	bioC
P0AC53	mana_ecoli	g6pd_ecoli	manA	zwf
P0AAJ8	mana_ecoli	hyba_ecoli	manA	hybA
P0A717	mana_ecoli	kprs_ecoli	manA	prs
P21517	mana_ecoli	malz_ecoli	manA	malZ
P18196	mana_ecoli	minc_ecoli	manA	minC
P0AF16	mana_ecoli	mvin_ecoli	manA	mviN
P18843	mana_ecoli	nade_ecoli	manA	nadE
P76161	mana_ecoli	req2_ecoli	manA	quuQ
P45748	mana_ecoli	rimn_ecoli	manA	rimN
P60422	mana_ecoli	rl2_ecoli	manA	rpIB
P75864	mana_ecoli	rlml_ecoli	manA	rlmL
P04805	mana_ecoli	sye_ecoli	manA	gltX
P07024	mana_ecoli	usha_ecoli	manA	ushA
P37339	mana_ecoli	ygaf_ecoli	manA	ygaF
P31448	mana_ecoli	yidk_ecoli	manA	yidK
P77536	mana_ecoli	ykgf_ecoli	manA	ykgF
P42620	mana_ecoli	yqjg_ecoli	manA	yqjG

P22523	masy_ecoli	mukb_ecoli	aceB	mukB
P07118	masz_ecoli	syv_ecoli	glcB	valS

P0A6F5	mdab_ecoli	ch60_ecoli	mdaB	groL
P0ABK9	mdab_ecoli	nrfa_ecoli	mdaB	nrfA

P60438	mdh_ecoli	rl3_ecoli	mdh	rpIC
P0A7V8	mdh_ecoli	rs4_ecoli	mdh	rpsD
P0A8N3	mdh_ecoli	syk1_ecoli	mdh	lysS
P07813	mdh_ecoli	syl_ecoli	mdh	leuS
P0A8G3	mdh_ecoli	uxac_ecoli	mdh	uxaC
P37636	mdte_ecoli	mdte_ecoli	mdtE	mdtE
P37636	mdte_ecoli	mdte_ecoli	mdtE	mdtE
P67910	menb_ecoli	hlDD_ecoli	menB	hldD
P67910	menb_ecoli	hlDD_ecoli	menB	hldD
P18843	menb_ecoli	nade_ecoli	menB	nadE
P15288	menb_ecoli	pepd_ecoli	menB	pepD
P0AG59	menb_ecoli	rs14_ecoli	menB	rpsN
P77671	mete_ecoli	allb_ecoli	metE	allB
P77188	mete_ecoli	matc_ecoli	metE	matC
P0A9T0	mete_ecoli	sera_ecoli	metE	serA
P76115	mete_ecoli	yncd_ecoli	metE	yncD
P33363	meth_ecoli	bglx_ecoli	metH	bgIX
P10443	meth_ecoli	dpo3a_ecoli	metH	dnaE
P09831	meth_ecoli	gltb_ecoli	metH	glTB
P05793	meth_ecoli	ilvc_ecoli	metH	ilvC
P0A6F5	metk_ecoli	ch60_ecoli	metK	groL
P39099	metk_ecoli	degq_ecoli	metK	degQ
P08622	metk_ecoli	dnaj_ecoli	metK	dnaJ
P08622	metk_ecoli	dnaj_ecoli	metK	dnaJ
P0A6Y8	metk_ecoli	dnak_ecoli	metK	dnaK
P0CE47	metk_ecoli	eftu1_ecoli	metK	tufA
P0CE47	metk_ecoli	eftu1_ecoli	metK	tufA
P0AAJ3	metk_ecoli	fdnh_ecoli	metK	fdnH
P75938	metk_ecoli	flgf_ecoli	metK	flgF
P52612	metk_ecoli	flii_ecoli	metK	fliI
P33135	metk_ecoli	flir_ecoli	metK	fliR
P0ABY2	metk_ecoli	fliT_ecoli	metK	fliT
P0A717	metk_ecoli	kprs_ecoli	metK	prs
P0A9X4	metk_ecoli	mreb_ecoli	metK	mreB
P18843	metk_ecoli	nade_ecoli	metK	nadE
P16690	metk_ecoli	phnn_ecoli	metK	phnN
P0AAH0	metk_ecoli	pstb_ecoli	metK	pstB
P0A7G6	metk_ecoli	reca_ecoli	metK	recA

P10408	metk_ecoli	seca_ecoli	metK	secA
P60651	metk_ecoli	speb_ecoli	metK	speB
P00960	metk_ecoli	syga_ecoli	metK	glyQ
P0A850	metk_ecoli	tig_ecoli	metK	tig
P28915	metk_ecoli	ybfc_ecoli	metK	ybfC
P0A6Y8	metq_ecoli	dnak_ecoli	metQ	dnaK
P0A6X7	mfd_ecoli	ihfa_ecoli	mfd	ihfA
P31600	mfd_ecoli	nfra_ecoli	mfd	nfrA
P60422	mfd_ecoli	rl2_ecoli	mfd	rplB
P0A7S9	mfd_ecoli	rs13_ecoli	mfd	rpsM
P0ACG1	mfd_ecoli	stpa_ecoli	mfd	stpA
P0AAD8	mfd_ecoli	tdcc_ecoli	mfd	tdcC
P64521	mfd_ecoli	yeet_ecoli	mfd	yeeT
P24178	mfd_ecoli	yffb_ecoli	mfd	yffB
P0A6F5	miab_ecoli	ch60_ecoli	miaB	groL
P0AC41	miab_ecoli	dhsa_ecoli	miaB	sdhA
P08622	miab_ecoli	dnaj_ecoli	miaB	dnaJ
P0A6Y8	miab_ecoli	dnak_ecoli	miaB	dnaK
P0CE47	miab_ecoli	eftu1_ecoli	miaB	tufA
P0CE47	miab_ecoli	eftu1_ecoli	miaB	tufA
P45395	miab_ecoli	kdsd_ecoli	miaB	kdsD
P0A717	miab_ecoli	kprs_ecoli	miaB	prs
P0A9X4	miab_ecoli	mreb_ecoli	miaB	mreB
P0AAH0	miab_ecoli	pstb_ecoli	miaB	pstB
P60422	miab_ecoli	rl2_ecoli	miaB	rplB
P60723	miab_ecoli	rl4_ecoli	miaB	rplD
P0AFD1	minc_ecoli	nuoe_ecoli	minC	nuoE
P60422	minc_ecoli	rl2_ecoli	minC	rplB
P62399	minc_ecoli	rl5_ecoli	minC	rplE
P0A7V0	minc_ecoli	rs2_ecoli	minC	rpsB
P0A7V3	minc_ecoli	rs3_ecoli	minC	rpsC
P0A7V8	minc_ecoli	rs4_ecoli	minC	rpsD
P0A9K9	minc_ecoli	slyd_ecoli	minC	slyD
P0AGC7	minc_ecoli	smp_ecoli	minC	smp
P37646	minc_ecoli	yhjh_ecoli	minC	yhjH
P0ABT2	mine_ecoli	dps_ecoli	minE	dps
P18843	mine_ecoli	nade_ecoli	minE	nadE
P0AFD1	mine_ecoli	nuoe_ecoli	minE	nuoE

P0AFD6	mine_ecoli	nuoi_ecoli	minE	nuol
P62399	mine_ecoli	rl5_ecoli	minE	rpIE
P0AG55	mine_ecoli	rl6_ecoli	minE	rpIF
P0A6Y8	mlac_ecoli	dnak_ecoli	mIaC	dnaK
P0A7V0	mlac_ecoli	rs2_ecoli	mIaC	rpsB
P0A6Y8	mmum_ecoli	dnak_ecoli	mmuM	dnaK
P18843	mmum_ecoli	nade_ecoli	mmuM	nadE
P0A6F5	mngb_ecoli	ch60_ecoli	mngB	groL
P0AC41	mngb_ecoli	dhsa_ecoli	mngB	sdhA
P24183	mngb_ecoli	fdng_ecoli	mngB	fdnG
P0A7M2	mngb_ecoli	rl28_ecoli	mngB	rpmB
P0A717	mngr_ecoli	kprs_ecoli	mngR	prs
P0A7M2	mngr_ecoli	rl28_ecoli	mngR	rpmB
P0A7N4	mngr_ecoli	rl32_ecoli	mngR	rpmF
P61887	mngr_ecoli	rmla2_ecoli	mngR	rmlA2
P18843	mnma_ecoli	nade_ecoli	mnmA	nadE
P60422	mnma_ecoli	rl2_ecoli	mnmA	rpIB
P0A6F5	moaa_ecoli	ch60_ecoli	moaA	groL
P0A6F5	moaa_ecoli	ch60_ecoli	moaA	groL
P0A6F5	moaa_ecoli	ch60_ecoli	moaA	groL
P07363	moaa_ecoli	chea_ecoli	moaA	cheA
P0CE47	moaa_ecoli	eftu1_ecoli	moaA	tufA
P0AES6	moaa_ecoli	gyrb_ecoli	moaA	gyrB
P18843	moaa_ecoli	nade_ecoli	moaA	nadE
P0A7J0	moaa_ecoli	ribb_ecoli	moaA	ribB
P0AG48	moaa_ecoli	rl21_ecoli	moaA	rpIU
P02359	moaa_ecoli	rs7_ecoli	moaA	rpsG
P0A832	moaa_ecoli	ssrp_ecoli	moaA	smpB
P75693	moaa_ecoli	yahn_ecoli	moaA	yahN
P76104	moaa_ecoli	ydcP_ecoli	moaA	ydcP
P0A7M2	moab_ecoli	rl28_ecoli	moaB	rpmB
P75977	moab_ecoli	ymfm_ecoli	moaB	ymfM

P0A6E4	moea_ecoli	assy_ecoli	moeA	argG
P0A796	moea_ecoli	k6pf1_ecoli	moeA	pfkA
P77188	moea_ecoli	matc_ecoli	moeA	matC
P32173	moea_ecoli	moba_ecoli	moeA	mobA
P32173	moea_ecoli	moba_ecoli	moeA	mobA
P32173	moea_ecoli	moba_ecoli	moeA	mobA
P12281	moea_ecoli	moea_ecoli	moeA	moeA
P0AF03	moea_ecoli	mog_ecoli	moeA	mog
P18843	moea_ecoli	nade_ecoli	moeA	nadE
P0A6F5	molr_ecoli	ch60_ecoli	yehH	groL
P0AAZ4	mpl_ecoli	rara_ecoli	mpl	rara
P00722	mpra_ecoli	bgal_ecoli	mprA	lacZ
P0A6M8	mpra_ecoli	efg_ecoli	mprA	fusA
P07762	mpra_ecoli	glgb_ecoli	mprA	glgB
P41443	mpra_ecoli	gsph_ecoli	mprA	hofH
P31658	mpra_ecoli	hcha_ecoli	mprA	hchA
P19319	mpra_ecoli	narz_ecoli	mprA	narZ
P33602	mpra_ecoli	nuog_ecoli	mprA	nuoG
Q57083	mpra_ecoli	perr_ecoli	mprA	perR
P00957	mpra_ecoli	sya_ecoli	mprA	alaS
P76343	mpra_ecoli	yedz_ecoli	mprA	yedZ
P0A6F5	mrAZ_ecoli	ch60_ecoli	mrAZ	groL
P75938	mrAZ_ecoli	flgf_ecoli	mrAZ	flgF
P0AEM6	mrAZ_ecoli	flia_ecoli	mrAZ	fliA
P0A717	mrAZ_ecoli	kprs_ecoli	mrAZ	prs
P22186	mrAZ_ecoli	mrAZ_ecoli	mrAZ	mrAZ
P0ABD5	mreb_ecoli	acca_ecoli	mreB	accA
P22333	mreb_ecoli	add_ecoli	mreB	add
P0ABB4	mreb_ecoli	atpb_ecoli	mreB	atpD
P0A6F5	mreb_ecoli	ch60_ecoli	mreB	groL
P0A6F5	mreb_ecoli	ch60_ecoli	mreB	groL
P63284	mreb_ecoli	clpb_ecoli	mreB	clpB
P08622	mreb_ecoli	dnaj_ecoli	mreB	dnaJ
P08622	mreb_ecoli	dnaj_ecoli	mreB	dnaJ
P0A6Y8	mreb_ecoli	dnak_ecoli	mreB	dnaK
P0A6Y8	mreb_ecoli	dnak_ecoli	mreB	dnaK
P0A6M8	mreb_ecoli	efg_ecoli	mreB	fusA

POCE47	mreb_ecoli	eftu1_ecoli	mreB	tufA
POCE47	mreb_ecoli	eftu1_ecoli	mreB	tufA
POC8J6	mreb_ecoli	gaty_ecoli	mreB	gatY
POAES4	mreb_ecoli	gyra_ecoli	mreB	gyrA
POC054	mreb_ecoli	ibpa_ecoli	mreB	ibpA
P03819	mreb_ecoli	kefc_ecoli	mreB	kefC
P68187	mreb_ecoli	malk_ecoli	mreB	malkK
P06993	mreb_ecoli	malt_ecoli	mreB	malT
P0AEI1	mreb_ecoli	miab_ecoli	mreB	miaB
P0AEZ3	mreb_ecoli	mind_ecoli	mreB	minD
P09152	mreb_ecoli	narg_ecoli	mreB	narG
P33599	mreb_ecoli	nuocd_ecoli	mreB	nuoC
P0AFG0	mreb_ecoli	nusg_ecoli	mreB	nusG
P0A910	mreb_ecoli	ompa_ecoli	mreB	ompA
P06996	mreb_ecoli	ompc_ecoli	mreB	ompC
P05055	mreb_ecoli	pnp_ecoli	mreB	pnp
P0AAH0	mreb_ecoli	pstb_ecoli	mreB	pstB
P37188	mreb_ecoli	ptkb_ecoli	mreB	gatB
P24554	mreb_ecoli	rada_ecoli	mreB	radA
P0A7G6	mreb_ecoli	reca_ecoli	mreB	recA
P0AG30	mreb_ecoli	rho_ecoli	mreB	rho
P60438	mreb_ecoli	rl3_ecoli	mreB	rpIC
P62399	mreb_ecoli	rl5_ecoli	mreB	rpIE
P0A8V2	mreb_ecoli	rpob_ecoli	mreB	rpoB
P0A8T7	mreb_ecoli	rpoc_ecoli	mreB	rpoC
P02358	mreb_ecoli	rs6_ecoli	mreB	rpsF
P10408	mreb_ecoli	seca_ecoli	mreB	secA
P10408	mreb_ecoli	seca_ecoli	mreB	secA
P00960	mreb_ecoli	syga_ecoli	mreB	glyQ
P0A8N5	mreb_ecoli	syk2_ecoli	mreB	lysU
P39177	mreb_ecoli	uspg_ecoli	mreB	uspG
P0A8J4	mreb_ecoli	ybed_ecoli	mreB	ybeD
P64476	mreb_ecoli	ydiH_ecoli	mreB	ydiH
P0AF90	mreb_ecoli	yjgd_ecoli	mreB	yjgD

P0AAJ3	mrp_ecoli	fdnh_ecoli	mrp	fdnH
P0A9A9	mrp_ecoli	fur_ecoli	mrp	fur
P18843	mrp_ecoli	nade_ecoli	mrp	nadE
P24211	mrp_ecoli	rhse_ecoli	mrp	rhsE
P64574	mrp_ecoli	yghw_ecoli	mrp	yghW

P36683	msbb_ecoli	acon2_ecoli	msbB	acnB
P35340	msbb_ecoli	ahpf_ecoli	msbB	ahpF
P0A6F5	msbb_ecoli	ch60_ecoli	msbB	groL
P63284	msbb_ecoli	clpb_ecoli	msbB	clpB
P0A6M8	msbb_ecoli	efg_ecoli	msbB	fusA
P08394	msbb_ecoli	ex5b_ecoli	msbB	recB
P0AEM9	msbb_ecoli	fliy_ecoli	msbB	fliY
P0AC53	msbb_ecoli	g6pd_ecoli	msbB	zwf
P27249	msbb_ecoli	glnd_ecoli	msbB	glnd
P13035	msbb_ecoli	glpd_ecoli	msbB	glpD
P0AES4	msbb_ecoli	gyra_ecoli	msbB	gyrA
P0ACV0	msbb_ecoli	htrb_ecoli	msbB	htrB
P33602	msbb_ecoli	nuog_ecoli	msbB	nuoG
P0AFG8	msbb_ecoli	odp1_ecoli	msbB	aceE
P0C077	msbb_ecoli	rele_ecoli	msbB	relE
P0A7S9	msbb_ecoli	rs13_ecoli	msbB	rpsM
P00957	msbb_ecoli	sya_ecoli	msbB	alaS
P06612	msbb_ecoli	top1_ecoli	msbB	topA
P75970	msbb_ecoli	vxis_ecoli	msbB	xisE
P75977	msbb_ecoli	ymfm_ecoli	msbB	ymfM
P0ADK0	mcsS_ecoli	yiaf_ecoli	mcsS	yiaF
P0ACJ0	msra_ecoli	lrp_ecoli	msrA	lrp
P23847	mtld_ecoli	dppa_ecoli	mtlD	dppA
P0ADI4	mtld_ecoli	entb_ecoli	mtlD	entB
P77504	mtld_ecoli	ybbp_ecoli	mtlD	ybbP
P76119	mtld_ecoli	yncl_ecoli	mtlD	yncl
P0A6Y8	mtnn_ecoli	dnak_ecoli	mtnN	dnaK
P0C8J8	mtnn_ecoli	gatz_ecoli	mtnN	gatZ
P0A6V1	mtnn_ecoli	glgc_ecoli	mtnN	glgC
P0A996	mtnn_ecoli	glpc_ecoli	mtnN	glpC
P45465	mtnn_ecoli	yran_ecoli	mtnN	yraN
P0AEJ4	mtox_ecoli	envz_ecoli	solA	envZ
P0ABK9	mtox_ecoli	nrfa_ecoli	solA	nrfa
P0A7D7	mtox_ecoli	pur7_ecoli	solA	purC
P60422	mtox_ecoli	rl2_ecoli	solA	rplB
P0AG71	mtox_ecoli	rmuc_ecoli	solA	rmuC
P07813	mtox_ecoli	syl_ecoli	solA	leuS
P0ADK6	mtox_ecoli	yiba_ecoli	solA	yibA
P16694	mtox_ecoli	yjda_ecoli	solA	yjda

P0A717	muke_ecoli	kprs_ecoli	mukE	prs
P22523	muke_ecoli	mukb_ecoli	mukE	mukB
P22523	muke_ecoli	mukb_ecoli	mukE	mukB
P60293	muke_ecoli	mukf_ecoli	mukE	mukF
P60293	muke_ecoli	mukf_ecoli	mukE	mukF
P60293	muke_ecoli	mukf_ecoli	mukE	mukF
P60293	muke_ecoli	mukf_ecoli	mukE	mukF
P60422	muke_ecoli	rl2_ecoli	mukE	rplB
P0A7X3	muke_ecoli	rs9_ecoli	mukE	rpsI
P0A843	muke_ecoli	tate_ecoli	mukE	tatE
P39321	muke_ecoli	ytfn_ecoli	mukE	ytfN
P39099	mura_ecoli	degq_ecoli	murA	degQ
P0CE47	mura_ecoli	eftu1_ecoli	murA	tufA
P0AD68	mura_ecoli	ftsi_ecoli	murA	ftsI
P30870	mura_ecoli	glnE_ecoli	murA	glnE
P77188	mura_ecoli	matc_ecoli	murA	matC
P18843	mura_ecoli	nade_ecoli	murA	nadE
P37095	mura_ecoli	pepb_ecoli	murA	pepB
P42184	mura_ecoli	prsa_ecolx	murA	prsA
P60240	mura_ecoli	rapa_ecoli	murA	rapA
P0A7J7	mura_ecoli	rl11_ecoli	murA	rplK
P0AA10	mura_ecoli	rl13_ecoli	murA	rplM
P61175	mura_ecoli	rl22_ecoli	murA	rplV
P60723	mura_ecoli	rl4_ecoli	murA	rplD
P0A7K2	mura_ecoli	rl7_ecoli	murA	rplL
P0A7R5	mura_ecoli	rs10_ecoli	murA	rpsJ
P0A7V0	mura_ecoli	rs2_ecoli	murA	rpsB
P04152	mura_ecoli	umuc_ecoli	murA	umuC
P0A698	mura_ecoli	uvra_ecoli	murA	uvrA
P76387	mura_ecoli	wzc_ecoli	murA	wzc
P46837	mura_ecoli	yhgf_ecoli	murA	yhgF
P30847	muts_ecoli	baes_ecoli	mutS	baeS
P0CE47	muts_ecoli	eftu1_ecoli	mutS	tufA
P0AEJ4	muts_ecoli	envz_ecoli	mutS	envZ
P0AAB6	muts_ecoli	galf_ecoli	mutS	galF
P23909	muts_ecoli	muts_ecoli	mutS	mutS
P77398	nade_ecoli	arna_ecoli	nadE	arnA
P52043	nade_ecoli	ygfH_ecoli	nadE	ygfH
P28722	nade_ecoli	yhca_ecoli	nadE	yhca

P0A6F5	nagc_ecoli	ch60_ecoli	nagC	groL
P0A759	nagc_ecoli	nagb_ecoli	nagC	nagB
P0A7M2	nagc_ecoli	rl28_ecoli	nagC	rpmB
P0AA43	nagc_ecoli	rsua_ecoli	nagC	rsuA
P0A843	nagc_ecoli	tate_ecoli	nagC	tatE
P37639	nana_ecoli	gadx_ecoli	nanA	gadX
P18843	nana_ecoli	nade_ecoli	nanA	nadE
P36566	nana_ecoli	smta_ecoli	nanA	smtA

P08622	narg_ecoli	dnaj_ecoli	narG	dnaj
P0CE47	narg_ecoli	eftu1_ecoli	narG	tufA
P67910	narg_ecoli	hlDD_ecoli	narG	hldD
P0A9X4	narg_ecoli	mreb_ecoli	narG	mreB
P11349	narg_ecoli	narh_ecoli	narG	narH
P11349	narg_ecoli	narh_ecoli	narG	narH
P11349	narg_ecoli	narh_ecoli	narG	narH
P11349	narg_ecoli	narh_ecoli	narG	narH
P11349	narg_ecoli	narh_ecoli	narG	narH
P11349	narg_ecoli	narh_ecoli	narG	narH
P11350	narg_ecoli	nari_ecoli	narG	narI
P11350	narg_ecoli	nari_ecoli	narG	narI
P11350	narg_ecoli	nari_ecoli	narG	narI
P11350	narg_ecoli	nari_ecoli	narG	narI
P11350	narg_ecoli	nari_ecoli	narG	narI
P11350	narg_ecoli	nari_ecoli	narG	narI
P11350	narg_ecoli	nari_ecoli	narG	narI
P0AF26	narg_ecoli	narj_ecoli	narG	narJ
P0AF26	narg_ecoli	narj_ecoli	narG	narJ
P19318	narg_ecoli	nary_ecoli	narG	narY
P0A7G6	narg_ecoli	reca_ecoli	narG	recA
P0A7V8	narg_ecoli	rs4_ecoli	narG	rpsD

P0CE47	narh_ecoli	eftu1_ecoli	narH	tufA
P42593	narh_ecoli	fadh_ecoli	narH	fadh
P18843	narh_ecoli	nade_ecoli	narH	nadE
P09152	narh_ecoli	narg_ecoli	narH	narG
P09152	narh_ecoli	narg_ecoli	narH	narG
P09152	narh_ecoli	narg_ecoli	narH	narG
P19319	narh_ecoli	narz_ecoli	narH	narZ
P0AG80	narh_ecoli	ugpb_ecoli	narH	ugpB

P15034	narj_ecoli	ampp_ecoli	narJ	pepP
P0AC41	narj_ecoli	dhsa_ecoli	narJ	sdhA
P0A9P0	narj_ecoli	dldh_ecoli	narJ	lpdA
P09152	narj_ecoli	narg_ecoli	narJ	narG
P09152	narj_ecoli	narg_ecoli	narJ	narG
P11349	narj_ecoli	narh_ecoli	narJ	narH
P11349	narj_ecoli	narh_ecoli	narJ	narH
P19318	narj_ecoli	nary_ecoli	narJ	narY
P06959	narj_ecoli	odp2_ecoli	narJ	aceF
P0A910	narj_ecoli	ompa_ecoli	narJ	ompA
P0A7K2	narj_ecoli	rl7_ecoli	narJ	rplL
P0AA91	narj_ecoli	yeay_ecoli	narJ	yeaY
P31434	narl_ecoli	xyls_ecoli	narL	yicl
P31658	narp_ecoli	hcha_ecoli	narP	hchA
P0AAL3	narp_ecoli	napg_ecoli	narP	napG
P0A6Y8	nfsa_ecoli	dnak_ecoli	nfsA	dnaK
P36683	nfua_ecoli	acon2_ecoli	nfuA	acnB
P69330	nfua_ecoli	citd_ecoli	nfuA	citD
P0AF08	nfua_ecoli	mrp_ecoli	nfuA	mrp
P18843	nfua_ecoli	nade_ecoli	nfuA	nadE
P75949	nfua_ecoli	nagz_ecoli	nfuA	nagZ
P33602	nfua_ecoli	nuog_ecoli	nfuA	nuoG
P0AFG0	nfua_ecoli	nusg_ecoli	nfuA	nusG
P0A7J3	nfua_ecoli	rl10_ecoli	nfuA	rplJ
P0ADY3	nfua_ecoli	rl14_ecoli	nfuA	rplN
P60438	nfua_ecoli	rl3_ecoli	nfuA	rplC
P0A7V8	nfua_ecoli	rs4_ecoli	nfuA	rpsD
P30138	nfua_ecoli	thif_ecoli	nfuA	thiF
P0A6F5	nhar_ecoli	ch60_ecoli	nhaR	groL
P0A6S0	nifj_ecoli	flgh_ecoli	ydbK	flgH
P75942	nifj_ecoli	flgj_ecoli	ydbK	flgJ
P0A8S9	nifj_ecoli	flhd_ecoli	ydbK	flhD
P76297	nifj_ecoli	flhe_ecoli	ydbK	flhE
P52647	nifj_ecoli	nifj_ecoli	ydbK	ydbK
P06612	nifj_ecoli	top1_ecoli	ydbK	topA
P39280	nifj_ecoli	yjek_ecoli	ydbK	yjeK

P0A717	nsrr_ecoli	kprs_ecoli	nsrR	prs
P0AFB8	ntrc_ecoli	ntrc_ecoli	glnG	glnG
P37309	nudb_ecoli	arsr_ecoli	nudB	arsR
P0A9P0	nudb_ecoli	dldh_ecoli	nudB	lpdA
P0A6Y8	nudb_ecoli	dnak_ecoli	nudB	dnaK
P18843	nudb_ecoli	nade_ecoli	nudB	nadE
P0AFG8	nudb_ecoli	odp1_ecoli	nudB	aceE
P0ADY3	nudb_ecoli	rl14_ecoli	nudB	rpIN
P39177	nudb_ecoli	uspg_ecoli	nudB	uspG
P36683	nudk_ecoli	acon2_ecoli	nudK	acnB
P0AE08	nudk_ecoli	ahpc_ecoli	nudK	ahpC
P76555	nudk_ecoli	eutq_ecoli	nudK	eutQ
P0AF28	nudk_ecoli	narI_ecoli	nudK	narL
P0AFG8	nudk_ecoli	odp1_ecoli	nudK	aceE
P0A9M8	nudk_ecoli	pta_ecoli	nudK	pta
P0AG55	nudk_ecoli	rl6_ecoli	nudK	rpIF
P0A8G0	nudk_ecoli	uvrc_ecoli	nudK	uvrC
P0AFC7	nuocd_ecoli	nuob_ecoli	nuoC	nuoB
P33602	nuocd_ecoli	nuog_ecoli	nuoC	nuoG
P0A6F5	nuof_ecoli	ch60_ecoli	nuoF	groL
P21177	nuof_ecoli	fadb_ecoli	nuoF	fadB
P0AFD1	nuof_ecoli	nuoe_ecoli	nuoF	nuoE
P33602	nuof_ecoli	nuog_ecoli	nuoF	nuoG
P0A8F8	nuof_ecoli	uvrb_ecoli	nuoF	uvrB
P0A6E4	nusa_ecoli	assy_ecoli	nusA	argG
P0ABE7	nusa_ecoli	c562_ecolx	nusA	cybC
P0CE47	nusa_ecoli	eftu1_ecoli	nusA	tufA
P0A9A9	nusa_ecoli	fur_ecoli	nusA	fur
P0A705	nusa_ecoli	if2_ecoli	nusA	infB
P0A705	nusa_ecoli	if2_ecoli	nusA	infB
P0A705	nusa_ecoli	if2_ecoli	nusA	infB

P0A8U6	nusa_ecoli	metj_ecoli	nusA	metJ
P0AFG8	nusa_ecoli	odp1_ecoli	nusA	aceE
P42184	nusa_ecoli	prsa_ecolx	nusA	prsA
P0AG82	nusa_ecoli	psts_ecoli	nusA	pstS
P16919	nusa_ecoli	rhsd_ecoli	nusA	rhsD
P0A7L0	nusa_ecoli	rl1_ecoli	nusA	rplA
P02413	nusa_ecoli	rl15_ecoli	nusA	rplO
P02413	nusa_ecoli	rl15_ecoli	nusA	rplO
P0ADY7	nusa_ecoli	rl16_ecoli	nusA	rplP
P0A7K6	nusa_ecoli	rl19_ecoli	nusA	rplS
P0A7K6	nusa_ecoli	rl19_ecoli	nusA	rplS
P60422	nusa_ecoli	rl2_ecoli	nusA	rplB
P60422	nusa_ecoli	rl2_ecoli	nusA	rplB
P61175	nusa_ecoli	rl22_ecoli	nusA	rplV
P61175	nusa_ecoli	rl22_ecoli	nusA	rplV
P60624	nusa_ecoli	rl24_ecoli	nusA	rplX
P60438	nusa_ecoli	rl3_ecoli	nusA	rplC
P60723	nusa_ecoli	rl4_ecoli	nusA	rplD
P62399	nusa_ecoli	rl5_ecoli	nusA	rplE
P0AG55	nusa_ecoli	rl6_ecoli	nusA	rplF
P0AGB3	nusa_ecoli	rp32_ecoli	nusA	rpoH
P0A7Z4	nusa_ecoli	rpoa_ecoli	nusA	rpoA
P0A7Z4	nusa_ecoli	rpoa_ecoli	nusA	rpoA
P0A8V2	nusa_ecoli	rpob_ecoli	nusA	rpoB
P0A8V2	nusa_ecoli	rpob_ecoli	nusA	rpoB
P0A8V2	nusa_ecoli	rpob_ecoli	nusA	rpoB
P0A8T7	nusa_ecoli	rpoc_ecoli	nusA	rpoC
P0A8T7	nusa_ecoli	rpoc_ecoli	nusA	rpoC
P0A8T7	nusa_ecoli	rpoc_ecoli	nusA	rpoC
P00579	nusa_ecoli	rpod_ecoli	nusA	rpoD
P0A800	nusa_ecoli	rpoz_ecoli	nusA	rpoZ
P0A7V3	nusa_ecoli	rs3_ecoli	nusA	rpsC
P0A7V3	nusa_ecoli	rs3_ecoli	nusA	rpsC
P0A7V8	nusa_ecoli	rs4_ecoli	nusA	rpsD
P0A7V8	nusa_ecoli	rs4_ecoli	nusA	rpsD
P0A7W1	nusa_ecoli	rs5_ecoli	nusA	rpsE
P0A7W1	nusa_ecoli	rs5_ecoli	nusA	rpsE
P02359	nusa_ecoli	rs7_ecoli	nusA	rpsG
P02359	nusa_ecoli	rs7_ecoli	nusA	rpsG
P0A7X3	nusa_ecoli	rs9_ecoli	nusA	rpsI
P0AED0	nusa_ecoli	uspa_ecoli	nusA	uspA
P0A698	nusa_ecoli	uvra_ecoli	nusA	uvrA
P0AB43	nusa_ecoli	ycgl_ecoli	nusA	ycgL
P06971	nusb_ecoli	fhua_ecoli	nusB	fhuA

P21517	nusb_ecoli	malz_ecoli	nusB	malZ
P18843	nusb_ecoli	nade_ecoli	nusB	nadE
P0AA10	nusb_ecoli	rl13_ecoli	nusB	rpIM
P60438	nusb_ecoli	rl3_ecoli	nusB	rpIC
P0A7R5	nusb_ecoli	rs10_ecoli	nusB	rpsJ
P0A7R5	nusb_ecoli	rs10_ecoli	nusB	rpsJ
P0A7V0	nusb_ecoli	rs2_ecoli	nusB	rpsB
P0A7V8	nusb_ecoli	rs4_ecoli	nusB	rpsD
P0A7W1	nusb_ecoli	rs5_ecoli	nusB	rpsE
P0AG90	nusb_ecoli	secd_ecoli	nusB	secD
P0AGC3	nusb_ecoli	slt_ecoli	nusB	slt
P76463	nusb_ecoli	yfaq_ecoli	nusB	yfaQ
P0A9P0	odo1_ecoli	dldh_ecoli	sucA	lpdA
P0A9P0	odo1_ecoli	dldh_ecoli	sucA	lpdA
P0ABC7	odo1_ecoli	hflk_ecoli	sucA	hflK
P60716	odo1_ecoli	lipa_ecoli	sucA	lipA
P0AFI0	odo1_ecoli	oxc_ecoli	sucA	oxc
P76316	odo2_ecoli	dcyd_ecoli	sucB	dcyD
P0A9P0	odo2_ecoli	dldh_ecoli	sucB	lpdA
P0A9A6	odo2_ecoli	ftsZ_ecoli	sucB	ftsZ
P0A9A9	odo2_ecoli	fur_ecoli	sucB	fur
P60716	odo2_ecoli	lipa_ecoli	sucB	lipA
P0A9X4	odo2_ecoli	mreb_ecoli	sucB	mreB
P0AFL9	odo2_ecoli	pqiA_ecoli	sucB	pqiA
P46850	odo2_ecoli	rtcB_ecoli	sucB	rtcB
P77717	odo2_ecoli	ybaY_ecoli	sucB	ybaY
P0AB43	odo2_ecoli	ycgI_ecoli	sucB	ycgI
P08245	odo2_ecoli	yciH_ecoli	sucB	yciH
P0AED9	odp2_ecoli	dcm_ecoli	aceF	dcm
P0AC41	odp2_ecoli	dhsA_ecoli	aceF	sdhA
P0A9P0	odp2_ecoli	dldh_ecoli	aceF	lpdA
P22523	odp2_ecoli	mukB_ecoli	aceF	mukB
P0A910	ompa_ecoli	ompa_ecoli	ompA	ompA
P0A850	ompa_ecoli	tig_ecoli	ompA	tig
Q47083	ompr_ecoli	cbl_ecoli	ompR	cbl
P0AEJ4	ompr_ecoli	envZ_ecoli	ompR	envZ

P0A717	ompr_ecoli	kprs_ecoli	ompR	prs
P75949	ompr_ecoli	nagz_ecoli	ompR	nagZ
P37651	opda_ecoli	gun_ecoli	prlC	bcsZ
P39369	opda_ecoli	yjhr_ecoli	prlC	yjhr
P0A7V3	opgg_ecoli	rs3_ecoli	mdoG	rpsC
P0A7X3	opgg_ecoli	rs9_ecoli	mdoG	rpsI
P0A9P4	opgg_ecoli	trxb_ecoli	mdoG	trxB
P39321	opgg_ecoli	ytfn_ecoli	mdoG	ytfN
P00722	osmc_ecoli	bgal_ecoli	osmC	lacZ
P32176	osmc_ecoli	fdog_ecoli	osmC	fdoG
P0AEX9	osmc_ecoli	male_ecoli	osmC	malE
P54746	osmc_ecoli	mngb_ecoli	osmC	mngB
P05458	osmc_ecoli	ptrA_ecoli	osmC	ptrA
P38684	osmc_ecoli	torr_ecoli	osmC	torR
P0AD03	osmc_ecoli	yebS_ecoli	osmC	yebS
P39277	osmc_ecoli	yjeH_ecoli	osmC	yjeH
P0AEH8	osmc_ecoli	yjig_ecoli	osmC	yjiG
P18843	osmf_ecoli	nade_ecoli	osmF	nadE
P60723	osmf_ecoli	rl4_ecoli	osmF	rpID
P00722	panc_ecoli	bgal_ecoli	panC	lacZ
P00968	panc_ecoli	carb_ecoli	panC	carB
P0A6Y8	panc_ecoli	dnak_ecoli	panC	dnaK
P31057	panc_ecoli	panb_ecoli	panC	panB
P0A7D7	panc_ecoli	pur7_ecoli	panC	purC
P0A9K9	panc_ecoli	slyd_ecoli	panC	slyD
P07024	panc_ecoli	ushA_ecoli	panC	ushA
P07024	panc_ecoli	ushA_ecoli	panC	ushA
P0A9P0	parc_ecoli	dldh_ecoli	parC	lpdA
P0AES4	parc_ecoli	gyra_ecoli	parC	gyrA

P0A9X4	parc_ecoli	mreb_ecoli	parC	mreB
P11880	parc_ecoli	murf_ecoli	parC	murF
P06959	parc_ecoli	odp2_ecoli	parC	aceF
P32674	parc_ecoli	pflD_ecoli	parC	pflD
P25742	parc_ecoli	rfaq_ecoli	parC	rfaQ
P0A7L0	parc_ecoli	rl1_ecoli	parC	rplA
P0AA10	parc_ecoli	rl13_ecoli	parC	rplM
P60422	parc_ecoli	rl2_ecoli	parC	rplB
P61175	parc_ecoli	rl22_ecoli	parC	rplV
P0A7L8	parc_ecoli	rl27_ecoli	parC	rpmA
P0A7N9	parc_ecoli	rl33_ecoli	parC	rpmG
P0A7K2	parc_ecoli	rl7_ecoli	parC	rplL
P0A7R5	parc_ecoli	rs10_ecoli	parC	rpsJ
P0A7V0	parc_ecoli	rs2_ecoli	parC	rpsB
P10408	parc_ecoli	seca_ecoli	parC	secA
P0A9K9	parc_ecoli	slyd_ecoli	parC	slyD
P08245	parc_ecoli	ycih_ecoli	parC	yciH
P63883	pbpb_ecoli	amic_ecoli	-	amiC
P0AD68	pbpb_ecoli	ftsi_ecoli	-	ftsI
P29131	pbpb_ecoli	ftsn_ecoli	mrcB	ftsN
P29131	pbpb_ecoli	ftsn_ecoli	mrcB	ftsN
P29131	pbpb_ecoli	ftsn_ecoli	mrcB	ftsN
P0A908	pbpb_ecoli	mipa_ecoli	-	mipA
P02918	pbpb_ecoli	pbpa_ecoli	-	mrcA
P02919-1	pbpb_ecoli	pbpb_ecoli	-	-
P00722	pcka_ecoli	bgal_ecoli	pckA	lacZ
P0A9F9	pcka_ecoli	metr_ecoli	pckA	metR
P76272	pcka_ecoli	yebt_ecoli	pckA	yebT
P0A6F5	pdhr_ecoli	ch60_ecoli	pdhR	groL
P0A9P0	pdhr_ecoli	dldh_ecoli	pdhR	lpdA
P0AFG8	pdhr_ecoli	odp1_ecoli	pdhR	aceE
P06959	pdhr_ecoli	odp2_ecoli	pdhR	aceF
P0A7M2	pdhr_ecoli	rl28_ecoli	pdhR	rpmB
P0A843	pdhr_ecoli	tate_ecoli	pdhR	tatE
P0A6Y8	pdxk_ecoli	dnak_ecoli	pdxK	dnaK
P0AG44	pdxk_ecoli	rl17_ecoli	pdxK	rplQ

P0A9C5	pdxy_ecoli	glna_ecoli	pdxY	glnA
Q47706	pdxy_ecoli	uidc_ecoli	pdxY	uidC
P0A6R0	pepb_ecoli	fabh_ecoli	pepB	fabH
P15038	pepb_ecoli	held_ecoli	pepB	held
P0A910	pepb_ecoli	ompa_ecoli	pepB	ompA
P15034	pepd_ecoli	ampp_ecoli	pepD	pepP
P15034	pepd_ecoli	ampp_ecoli	pepD	pepP
P0A6Y8	pepd_ecoli	dnak_ecoli	pepD	dnaK
P30128	pepd_ecoli	greb_ecoli	pepD	greB
P60560	pepd_ecoli	guac_ecoli	pepD	guaC
P15254	pepd_ecoli	pur4_ecoli	pepD	purL
P37750	pepd_ecoli	wbbj_ecoli	pepD	wbbJ
P32176	pepq_ecoli	fdog_ecoli	pepQ	fdoG
P21865	pepq_ecoli	kdpd_ecoli	pepQ	kdpD
P0ABT2	pept_ecoli	dps_ecoli	pepT	dps
P0A6M8	pept_ecoli	efg_ecoli	pepT	fusA
P0CE47	pept_ecoli	eftu1_ecoli	pepT	tufA
P0A9Z1	pept_ecoli	glnb_ecoli	pepT	glnB
P0ACF8	pept_ecoli	hns_ecoli	pepT	hns
P18843	pept_ecoli	nade_ecoli	pepT	nadE
P0A7C6	pept_ecoli	pepe_ecoli	pepT	pepE
P09373	pept_ecoli	pflb_ecoli	pepT	pflB
P09373	pept_ecoli	pflb_ecoli	pepT	pflB
P09373	pept_ecoli	pflb_ecoli	pepT	pflB
P07004	pept_ecoli	proa_ecoli	pepT	proA
P16919	pept_ecoli	rhsd_ecoli	pepT	rhsD
P02413	pept_ecoli	rl15_ecoli	pepT	rpLO
P0A858	pept_ecoli	tpis_ecoli	pepT	tpiA
P71243	pept_ecoli	wcal_ecoli	pepT	wcaL
P0AD53	pept_ecoli	ygac_ecoli	pepT	ygaC
P0A8H6	pept_ecoli	yihl_ecoli	pepT	yihI
P77188	pfla_ecoli	matc_ecoli	pflA	matC
P18843	pfla_ecoli	nade_ecoli	pflA	nadE
P06971	pflb_ecoli	fhua_ecoli	pflB	fhua
P31574	pflb_ecoli	fixb_ecoli	pflB	fixB
P0AC53	pflb_ecoli	g6pd_ecoli	pflB	zwf
P68066	pflb_ecoli	grca_ecoli	pflB	grcA
P68066	pflb_ecoli	grca_ecoli	pflB	grcA
P21599	pflb_ecoli	kpyk2_ecoli	pflB	pykA

P77188	pflb_ecoli	matc_ecoli	pflB	matC
P18843	pflb_ecoli	nade_ecoli	pflB	nadE
Q8FBV2	pflb_ecoli	tnaa_ecol6	pflB	tnaA
P0A858	pflb_ecoli	tpis_ecoli	pflB	tpiA
P0A858	pflb_ecoli	tpis_ecoli	pflB	tpiA
P76154	pflb_ecoli	ydfk_ecoli	pflB	ydfK
P0A6Y8	pgk_ecoli	dnak_ecoli	pgk	dnak
P0A6P9	pgk_ecoli	eno_ecoli	pgk	eno
P0A6X3	pgk_ecoli	hfq_ecoli	pgk	hfq
P05055	pgk_ecoli	pnp_ecoli	pgk	pnp
P0A7R1	pgk_ecoli	rl9_ecoli	pgk	rplI
P21513	pgk_ecoli	rne_ecoli	pgk	rne
P0AG59	pgk_ecoli	rs14_ecoli	pgk	rpsN
P0A7U7	pgk_ecoli	rs20_ecoli	pgk	rpsT
P02358	pgk_ecoli	rs6_ecoli	pgk	rpsF
P18843	pgm_ecoli	nade_ecoli	pgm	nadE
P75977	phnb_ecoli	ymfm_ecoli	phnB	ymfM
P77239	phol_ecoli	cusb_ecoli	ybeZ	cusB
P00936	phol_ecoli	cyaa_ecoli	ybeZ	cyaA
P0ACF0	phol_ecoli	dbha_ecoli	ybeZ	hupA
P0A9P6	phol_ecoli	dead_ecoli	ybeZ	deaD
P0A9P0	phol_ecoli	dldh_ecoli	ybeZ	lpdA
P0A9P0	phol_ecoli	dldh_ecoli	ybeZ	lpdA
P0A6Q6	phol_ecoli	fabz_ecoli	ybeZ	fabZ
P0A9A9	phol_ecoli	fur_ecoli	ybeZ	fur
P06993	phol_ecoli	malt_ecoli	ybeZ	malT
Q46877	phol_ecoli	norv_ecoli	ybeZ	norV
P0AFG8	phol_ecoli	odp1_ecoli	ybeZ	aceE
P06959	phol_ecoli	odp2_ecoli	ybeZ	aceF
P06959	phol_ecoli	odp2_ecoli	ybeZ	aceF
P23830	phol_ecoli	pss_ecoli	ybeZ	pssA
Q9F560	phol_ecoli	q9f560_ecolx	ybeZ	ycfB
P0A7L0	phol_ecoli	rl1_ecoli	ybeZ	rplA
P0A7L0	phol_ecoli	rl1_ecoli	ybeZ	rplA
P0A7J3	phol_ecoli	rl10_ecoli	ybeZ	rplJ
P0AA10	phol_ecoli	rl13_ecoli	ybeZ	rplM
P0AA10	phol_ecoli	rl13_ecoli	ybeZ	rplM

P02413	phol_ecoli	rl15_ecoli	ybeZ	rpIO
P0ADY7	phol_ecoli	rl16_ecoli	ybeZ	rpIP
P0A7K6	phol_ecoli	rl19_ecoli	ybeZ	rpIS
P0A7K6	phol_ecoli	rl19_ecoli	ybeZ	rpIS
P60422	phol_ecoli	rl2_ecoli	ybeZ	rpIB
P0A7L3	phol_ecoli	rl20_ecoli	ybeZ	rpIT
P0AG48	phol_ecoli	rl21_ecoli	ybeZ	rpIU
P61175	phol_ecoli	rl22_ecoli	ybeZ	rpIV
P61175	phol_ecoli	rl22_ecoli	ybeZ	rpIV
P60624	phol_ecoli	rl24_ecoli	ybeZ	rpIX
P60624	phol_ecoli	rl24_ecoli	ybeZ	rpIX
P68919	phol_ecoli	rl25_ecoli	ybeZ	rpIY
P0A7M2	phol_ecoli	rl28_ecoli	ybeZ	rpmB
P60438	phol_ecoli	rl3_ecoli	ybeZ	rpIC
P60438	phol_ecoli	rl3_ecoli	ybeZ	rpIC
P0A7N9	phol_ecoli	rl33_ecoli	ybeZ	rpmG
P60723	phol_ecoli	rl4_ecoli	ybeZ	rpID
P60723	phol_ecoli	rl4_ecoli	ybeZ	rpID
P62399	phol_ecoli	rl5_ecoli	ybeZ	rpIE
P62399	phol_ecoli	rl5_ecoli	ybeZ	rpIE
P0AG55	phol_ecoli	rl6_ecoli	ybeZ	rpIF
P0AG55	phol_ecoli	rl6_ecoli	ybeZ	rpIF
P0A7K2	phol_ecoli	rl7_ecoli	ybeZ	rpIL
P0A7R1	phol_ecoli	rl9_ecoli	ybeZ	rpII
P0A7R1	phol_ecoli	rl9_ecoli	ybeZ	rpII
P75864	phol_ecoli	rlml_ecoli	ybeZ	rlmL
P37765	phol_ecoli	rlub_ecoli	ybeZ	rluB
P21499	phol_ecoli	rnr_ecoli	ybeZ	rnr
P0AG67	phol_ecoli	rs1_ecoli	ybeZ	rpsA
P0A7S9	phol_ecoli	rs13_ecoli	ybeZ	rpsM
P0AG59	phol_ecoli	rs14_ecoli	ybeZ	rpsN
P0A7T3	phol_ecoli	rs16_ecoli	ybeZ	rpsP
P0A7V0	phol_ecoli	rs2_ecoli	ybeZ	rpsB
P0A7V0	phol_ecoli	rs2_ecoli	ybeZ	rpsB
P0A7U7	phol_ecoli	rs20_ecoli	ybeZ	rpsT
P0A7V3	phol_ecoli	rs3_ecoli	ybeZ	rpsC
P0A7V8	phol_ecoli	rs4_ecoli	ybeZ	rpsD
P0A7W1	phol_ecoli	rs5_ecoli	ybeZ	rpsE
P0A7W1	phol_ecoli	rs5_ecoli	ybeZ	rpsE
P02359	phol_ecoli	rs7_ecoli	ybeZ	rpsG
P02359	phol_ecoli	rs7_ecoli	ybeZ	rpsG
P10408	phol_ecoli	seca_ecoli	ybeZ	secA
P03018	phol_ecoli	uvrd_ecoli	ybeZ	uvrD
P0AAS7	phol_ecoli	ybcj_ecoli	ybeZ	ybcJ
P39199	phol_ecoli	yfcb_ecoli	ybeZ	yfcB

P0AGJ5	phol_ecoli	yfif_ecoli	ybeZ	yfiF
P0AGK4	phol_ecoli	yhby_ecoli	ybeZ	yhby
P0AAI3	phop_ecoli	ftsh_ecoli	phoP	ftsH
P18843	phop_ecoli	nade_ecoli	phoP	nadE
P0AG55	phop_ecoli	rl6_ecoli	phoP	rpIF
P32167	phop_ecoli	yiix_ecoli	phoP	yiiX
P0ACF0	phsm_ecoli	dbha_ecoli	malP	hupA
P0A9P0	phsm_ecoli	dldh_ecoli	malP	lpdA
P0A9P0	phsm_ecoli	dldh_ecoli	malP	lpdA
P06959	phsm_ecoli	odp2_ecoli	malP	aceF
P06959	phsm_ecoli	odp2_ecoli	malP	aceF
P05055	phsm_ecoli	pnp_ecoli	malP	pnp
P0A7L0	phsm_ecoli	rl1_ecoli	malP	rplA
P0AA10	phsm_ecoli	rl13_ecoli	malP	rplM
P0A7K6	phsm_ecoli	rl19_ecoli	malP	rplS
P0AG48	phsm_ecoli	rl21_ecoli	malP	rplU
P61175	phsm_ecoli	rl22_ecoli	malP	rplV
P60438	phsm_ecoli	rl3_ecoli	malP	rplC
P60438	phsm_ecoli	rl3_ecoli	malP	rplC
P60723	phsm_ecoli	rl4_ecoli	malP	rplD
P0A7R1	phsm_ecoli	rl9_ecoli	malP	rplI
P0AGK4	phsm_ecoli	yhby_ecoli	malP	yhby
P77674	phyda_ecoli	abdh_ecoli	hyuA	ydcW
P0A6F5	phyda_ecoli	ch60_ecoli	hyuA	groL
P0A6F5	pmba_ecoli	ch60_ecoli	pmbA	groL
P39343	pmba_ecoli	idnr_ecoli	pmbA	idnR
P04391	pmba_ecoli	otc1_ecoli	pmbA	argI
P06960	pmba_ecoli	otc2_ecoli	pmbA	argF
P39389	pmba_ecoli	yjir_ecoli	pmbA	yjiR
P31678	pmrd_ecoli	otsb_ecoli	pmrD	otsB
P15288	pmrd_ecoli	pepd_ecoli	pmrD	pepD
P0AG44	pmrd_ecoli	rl17_ecoli	pmrD	rplQ
P60422	pmrd_ecoli	rl2_ecoli	pmrD	rplB
P0A7U3	pmrd_ecoli	rs19_ecoli	pmrD	rpsS
P0A7X3	pmrd_ecoli	rs9_ecoli	pmrD	rpsI
P75694	pmrd_ecoli	yaho_ecoli	pmrD	yahO
P76321	pmrd_ecoli	yedn_ecoli	pmrD	yedN
P0ACF0	pnp_ecoli	dbha_ecoli	pnp	hupA
P0A6P9	pnp_ecoli	eno_ecoli	pnp	eno

P0A6P9	pnp_ecoli	eno_ecoli	pnp	eno
P0A817	pnp_ecoli	metk_ecoli	pnp	metK
P0A9X4	pnp_ecoli	mreb_ecoli	pnp	mreB
P0A799	pnp_ecoli	pgk_ecoli	pnp	pgk
P0A7G6	pnp_ecoli	reca_ecoli	pnp	recA
P0A8J8	pnp_ecoli	rhlb_ecoli	pnp	rhlB
P0A8J8	pnp_ecoli	rhlb_ecoli	pnp	rhlB
P0A7L0	pnp_ecoli	rl1_ecoli	pnp	rplA
P0AA10	pnp_ecoli	rl13_ecoli	pnp	rplM
P0AA10	pnp_ecoli	rl13_ecoli	pnp	rplM
P02413	pnp_ecoli	rl15_ecoli	pnp	rplO
P0AG44	pnp_ecoli	rl17_ecoli	pnp	rplQ
P60422	pnp_ecoli	rl2_ecoli	pnp	rplB
P0AG48	pnp_ecoli	rl21_ecoli	pnp	rplU
P61175	pnp_ecoli	rl22_ecoli	pnp	rplV
P60624	pnp_ecoli	rl24_ecoli	pnp	rplX
P60723	pnp_ecoli	rl4_ecoli	pnp	rplD
P60723	pnp_ecoli	rl4_ecoli	pnp	rplD
P62399	pnp_ecoli	rl5_ecoli	pnp	rplE
P0AG55	pnp_ecoli	rl6_ecoli	pnp	rplF
P0A7R1	pnp_ecoli	rl9_ecoli	pnp	rplI
P0A7R1	pnp_ecoli	rl9_ecoli	pnp	rplI
P37765	pnp_ecoli	rlub_ecoli	pnp	rluB
P21513	pnp_ecoli	rne_ecoli	pnp	rne
P21513	pnp_ecoli	rne_ecoli	pnp	rne
P21513	pnp_ecoli	rne_ecoli	pnp	rne
P0A7Z4	pnp_ecoli	rpoa_ecoli	pnp	rpoA
P0A7S9	pnp_ecoli	rs13_ecoli	pnp	rpsM
P0A7S9	pnp_ecoli	rs13_ecoli	pnp	rpsM
P0ADZ4	pnp_ecoli	rs15_ecoli	pnp	rpsO
P0A7T7	pnp_ecoli	rs18_ecoli	pnp	rpsR
P0A7U3	pnp_ecoli	rs19_ecoli	pnp	rpsS
P0A7U7	pnp_ecoli	rs20_ecoli	pnp	rpsT
P0A7V3	pnp_ecoli	rs3_ecoli	pnp	rpsC
P0A7V8	pnp_ecoli	rs4_ecoli	pnp	rpsD
P0A7W1	pnp_ecoli	rs5_ecoli	pnp	rpsE
P0A7W1	pnp_ecoli	rs5_ecoli	pnp	rpsE
P02359	pnp_ecoli	rs7_ecoli	pnp	rpsG
P02359	pnp_ecoli	rs7_ecoli	pnp	rpsG
P21507	pnp_ecoli	srmB_ecoli	pnp	srmB

P24182	ppib_ecoli	accC_ecoli	ppiB	accC
P00722	ppib_ecoli	bgal_ecoli	ppiB	lacZ
P0A6H1	ppib_ecoli	clpx_ecoli	ppiB	clpX
P0A6J5	ppib_ecoli	dada_ecoli	ppiB	dadA
P0A6Y8	ppib_ecoli	dnak_ecoli	ppiB	dnaK
P0AAI3	ppib_ecoli	ftsh_ecoli	ppiB	ftsH
P11553	ppib_ecoli	fuck_ecoli	ppiB	fuck
P13035	ppib_ecoli	glpD_ecoli	ppiB	glpD
P0ABC7	ppib_ecoli	hflk_ecoli	ppiB	hflK
P22523	ppib_ecoli	mukb_ecoli	ppiB	mukB
P09373	ppib_ecoli	pflb_ecoli	ppiB	pflB
P0A9M8	ppib_ecoli	pta_ecoli	ppiB	pta
P09546	ppib_ecoli	puta_ecoli	ppiB	putA
P16918	ppib_ecoli	rhsc_ecoli	ppiB	rhsC
P0ADY3	ppib_ecoli	rl14_ecoli	ppiB	rplN
P0A8V2	ppib_ecoli	rpob_ecoli	ppiB	rpoB
P75817	ppib_ecoli	rumb_ecoli	ppiB	rumB
P76108	ppib_ecoli	ydcS_ecoli	ppiB	ydcS
P0A8W8	ppib_ecoli	yfbu_ecoli	ppiB	yfbU
P37659	ppib_ecoli	yhju_ecoli	ppiB	yhjU
P0ADN2	ppib_ecoli	yife_ecoli	ppiB	yifE
P0ABE7	ppk_ecoli	c562_ecolx	ppk	cybC
P0A6F5	ppk_ecoli	ch60_ecoli	ppk	groL
P0AC41	ppk_ecoli	dhsa_ecoli	ppk	sdhA
P0A9P0	ppk_ecoli	dldh_ecoli	ppk	lpdA
P06959	ppk_ecoli	odp2_ecoli	ppk	aceF
P64574	ppk_ecoli	yghw_ecoli	ppk	yghW
P0ADK8	ppk_ecoli	yibl_ecoli	ppk	yibL
P60422	ppsa_ecoli	rl2_ecoli	ppsA	rplB
P0A7L0	pric_ecoli	rl1_ecoli	priC	rplA
P60422	pric_ecoli	rl2_ecoli	priC	rplB
P60438	pric_ecoli	rl3_ecoli	priC	rplC
P0AG55	pric_ecoli	rl6_ecoli	priC	rplF
P0AG67	pric_ecoli	rs1_ecoli	priC	rpsA
P0A7V8	pric_ecoli	rs4_ecoli	priC	rpsD
P02359	pric_ecoli	rs7_ecoli	priC	rpsG
P00959	pric_ecoli	sym_ecoli	priC	metG
P0ADE4	pric_ecoli	ytfm_ecoli	priC	ytfM
P0A6F5	prpd_ecoli	ch60_ecoli	prpD	groL

P18843	prpd_ecoli	nade_ecoli	prpD	nadE
P33940	pspf_ecoli	mqo_ecoli	pspF	mqo
P45548	pspf_ecoli	php_ecoli	pspF	php
P05055	pss_ecoli	pnp_ecoli	pssA	pnp
P0ADY1	pss_ecoli	ppid_ecoli	pssA	ppiD
P0AFL6	pss_ecoli	ppx_ecoli	pssA	ppx
P0A7L0	pss_ecoli	rl1_ecoli	pssA	rplA
P0AG44	pss_ecoli	rl17_ecoli	pssA	rplQ
P60422	pss_ecoli	rl2_ecoli	pssA	rplB
P0AG48	pss_ecoli	rl21_ecoli	pssA	rplU
P0ADZ0	pss_ecoli	rl23_ecoli	pssA	rplW
P60438	pss_ecoli	rl3_ecoli	pssA	rplC
P0A7K2	pss_ecoli	rl7_ecoli	pssA	rplL
P75864	pss_ecoli	rlml_ecoli	pssA	rlmL
P0AG67	pss_ecoli	rs1_ecoli	pssA	rpsA
P0A7S9	pss_ecoli	rs13_ecoli	pssA	rpsM
P0AG59	pss_ecoli	rs14_ecoli	pssA	rpsN
P0A7V0	pss_ecoli	rs2_ecoli	pssA	rpsB
P68679	pss_ecoli	rs21_ecoli	pssA	rpsU
P0A7V3	pss_ecoli	rs3_ecoli	pssA	rpsC
P0A7V8	pss_ecoli	rs4_ecoli	pssA	rpsD
P0A7V8	pss_ecoli	rs4_ecoli	pssA	rpsD
P0A7W1	pss_ecoli	rs5_ecoli	pssA	rpsE
P02359	pss_ecoli	rs7_ecoli	pssA	rpsG
P0AGJ5	pss_ecoli	yfif_ecoli	pssA	yfiF
P64574	pss_ecoli	yghw_ecoli	pssA	yghW
P08622	pt1_ecoli	dnaj_ecoli	ptsl	dnaJ
P0AEJ2	pt1_ecoli	entc_ecoli	ptsl	entC
P10121	pt1_ecoli	ftsy_ecoli	ptsl	ftsY
P18843	pt1_ecoli	nade_ecoli	ptsl	nadE
P0ACP7	pt1_ecoli	purr_ecoli	ptsl	purR
P0A6E4	pta_ecoli	assy_ecoli	pta	argG
P08365	pta_ecoli	chps_ecoli	pta	chpS
P08622	pta_ecoli	dnaj_ecoli	pta	dnaJ
P0CE47	pta_ecoli	eftu1_ecoli	pta	tufA
P0ACC7	pta_ecoli	glmu_ecoli	pta	glmU
P18843	pta_ecoli	nade_ecoli	pta	nadE
P0ABL5	pta_ecoli	napc_ecoli	pta	napC
P0A772	pta_ecoli	nrld_ecoli	pta	nrld
P0AFD1	pta_ecoli	nuoe_ecoli	pta	nuoE
P09546	pta_ecoli	puta_ecoli	pta	putA

P65870	pta_ecoli	qued_ecoli	pta	queD
P16918	pta_ecoli	rhsc_ecoli	pta	rhcC
P0AG55	pta_ecoli	rl6_ecoli	pta	rplF
P0A850	pta_ecoli	tig_ecoli	pta	tig
P31827	pta_ecoli	yddb_ecoli	pta	yddB
P76150	pta_ecoli	ynek_ecoli	pta	yneK

P69786	ptga_ecoli	ptgcb_ecoli	crr	ptsG
P0AA04	ptga_ecoli	pthp_ecoli	crr	ptsH

P77398	ptha_ecoli	arna_ecoli	srlB	arnA
P0AES0	ptha_ecoli	gsp_ecoli	srlB	gsp
P76104	ptha_ecoli	ydcP_ecoli	srlB	ydcP

P08839	pthp_ecoli	pt1_ecoli	ptsH	ptsl
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P06961	ptkb_ecoli	cca_ecoli	gatB	cca
P0CE47	ptkb_ecoli	eftu1_ecoli	gatB	tufA
P76092	ptkb_ecoli	ynbc_ecoli	gatB	ynbC

P0ACN7	ptnab_ecoli	cytr_ecoli	manX	cytR
P0A799	ptnab_ecoli	pgk_ecoli	manX	pgk
P69801	ptnab_ecoli	ptnc_ecoli	manX	manY
P69805	ptnab_ecoli	ptnd_ecoli	manX	manZ
P24230	ptnab_ecoli	recg_ecoli	manX	recG
P61175	ptnab_ecoli	rl22_ecoli	manX	rplV
P0A7M2	ptnab_ecoli	rl28_ecoli	manX	rpmB
P30864	ptnab_ecoli	yafc_ecoli	manX	yafC

P0AAN1	ptsn_ecoli	hybe_ecoli	ptsN	hybE
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P06961	pur7_ecoli	cca_ecoli	purC	cca
P0A6Y8	pur7_ecoli	dnak_ecoli	purC	dnaK
P0A6Y8	pur7_ecoli	dnak_ecoli	purC	dnaK
P0ACZ4	pur7_ecoli	evga_ecoli	purC	evgA
P60560	pur7_ecoli	guac_ecoli	purC	guaC
P30015	pur7_ecoli	lhr_ecoli	purC	lhr

P0A850	pur7_ecoli	tig_ecoli	purC	tig
P0A850	pur7_ecoli	tig_ecoli	purC	tig
P31463	pur7_ecoli	yidz_ecoli	purC	yidZ
P38104	pura_ecoli	rspa_ecoli	purA	rspA
P0A6F5	puta_ecoli	ch60_ecoli	putA	groL
P0A6Y8	puta_ecoli	dnak_ecoli	putA	dnaK
P0ABF4	puta_ecoli	eutm_ecoli	putA	eutM
P60293	puta_ecoli	mukf_ecoli	putA	mukF
P33230	puta_ecoli	ydac_ecoli	putA	ydaC
P76464	puta_ecoli	yfas_ecoli	putA	yfaS
P63389	puta_ecoli	yhes_ecoli	putA	yheS
P31658	pyrg_ecoli	hcha_ecoli	pyrG	hchA
P18843	pyrg_ecoli	nade_ecoli	pyrG	nadE
P0A8V2	pyrg_ecoli	rpob_ecoli	pyrG	rpoB
P0A8T7	pyrg_ecoli	rpoc_ecoli	pyrG	rpoC
P08956	pyrg_ecoli	t1rk_ecoli	pyrG	hsdR
P75736	pyrg_ecoli	ybff_ecoli	pyrG	ybfF
P0A6Y8	qor1_ecoli	dnak_ecoli	qorA	dnaK
P36767	qor1_ecoli	rdgc_ecoli	qorA	rdgC
P33224	quec_ecoli	aidb_ecoli	queC	aidB
P00722	quec_ecoli	bgal_ecoli	queC	lacZ
P0A6Y8	quec_ecoli	dnak_ecoli	queC	dnaK
P0A6Y8	quec_ecoli	dnak_ecoli	queC	dnaK
P0CE47	quec_ecoli	eftu1_ecoli	queC	tufA
P0CE47	quec_ecoli	eftu1_ecoli	queC	tufA
P13035	quec_ecoli	glpd_ecoli	queC	glpD
P68066	quec_ecoli	grca_ecoli	queC	grcA
P0A6B7	quec_ecoli	iscs_ecoli	queC	iscS
P22523	quec_ecoli	mukb_ecoli	queC	mukB
P0A9I5	quec_ecoli	napd_ecoli	queC	napD
P19319	quec_ecoli	narz_ecoli	queC	narZ
P0A7K2	quec_ecoli	rl7_ecoli	queC	rpIL
P0A7R5	quec_ecoli	rs10_ecoli	queC	rpsJ
P0AG24	quec_ecoli	spot_ecoli	queC	spoT
P76417	quec_ecoli	yegt_ecoli	queC	yegT

Q47153	rapa_ecoli	fhia_ecoli	rapA	fhiA
P0AFF6	rapa_ecoli	nusa_ecoli	rapA	nusA
P60438	rapa_ecoli	rl3_ecoli	rapA	rpIC
P0A7Z4	rapa_ecoli	rpoa_ecoli	rapA	rpoA
P0A8V2	rapa_ecoli	rpob_ecoli	rapA	rpoB
P0A8T7	rapa_ecoli	rpoc_ecoli	rapA	rpoC
P0A8T7	rapa_ecoli	rpoc_ecoli	rapA	rpoC
P0A7W1	rapa_ecoli	rs5_ecoli	rapA	rpsE
P76464	rapa_ecoli	yfas_ecoli	rapA	yfaS
P77196	rapa_ecoli	yfcu_ecoli	rapA	yfcU
P18843	rbfa_ecoli	nade_ecoli	rbfA	nadE
P0A6Y8	rbsb_ecoli	dnak_ecoli	rbsB	dnaK
P22731	rbsb_ecoli	livf_ecoli	rbsB	livF
P18843	rbsb_ecoli	nade_ecoli	rbsB	nadE
P16684	rbsb_ecoli	phnf_ecoli	rbsB	phnF
P60723	rbsb_ecoli	rl4_ecoli	rbsB	rpID
P0AA16	rbsk_ecoli	ompr_ecoli	rbsK	ompR
P0ABB8	rcsb_ecoli	atma_ecoli	rcsB	mgtA
P77808	rcsb_ecoli	cinal_ecoli	rcsB	yfaY
P0ACJ8	rcsb_ecoli	crp_ecoli	rcsB	crp
P0A6Y8	rcsb_ecoli	dnak_ecoli	rcsB	dnaK
P00582	rcsb_ecoli	dpo1_ecoli	rcsB	polA
P0CE47	rcsb_ecoli	eftu1_ecoli	rcsB	tufA
P38134	rcsb_ecoli	etk_ecoli	rcsB	etk
P63204	rcsb_ecoli	gade_ecoli	rcsB	gadE
P75882	rcsb_ecoli	gfcD_ecoli	rcsB	gfcD
P0A9Z1	rcsb_ecoli	glnb_ecoli	rcsB	glnB
P33231	rcsb_ecoli	lldp_ecoli	rcsB	lldP
P0A8T1	rcsb_ecoli	prma_ecoli	rcsB	prmA
P39838	rcsb_ecoli	rcsd_ecoli	rcsB	rcsD
P77215	rcsb_ecoli	rhmd_ecoli	rcsB	rhmd
P0AA10	rcsb_ecoli	rl13_ecoli	rcsB	rpIM
P0AA10	rcsb_ecoli	rl13_ecoli	rcsB	rpIM
P0A7K6	rcsb_ecoli	rl19_ecoli	rcsB	rpIS
P61175	rcsb_ecoli	rl22_ecoli	rcsB	rpIV
P0A7M2	rcsb_ecoli	rl28_ecoli	rcsB	rpmB
P60438	rcsb_ecoli	rl3_ecoli	rcsB	rpIC
P62399	rcsb_ecoli	rl5_ecoli	rcsB	rpIE

P0A7R1	rcsb_ecoli	rl9_ecoli	rcsB	rplI
P0A7Z4	rcsb_ecoli	rpoa_ecoli	rcsB	rpoA
P0A7R5	rcsb_ecoli	rs10_ecoli	rcsB	rpsJ
P68679	rcsb_ecoli	rs21_ecoli	rcsB	rpsU
P0A7V3	rcsb_ecoli	rs3_ecoli	rcsB	rpsC
P0A7V3	rcsb_ecoli	rs3_ecoli	rcsB	rpsC
P0A7V8	rcsb_ecoli	rs4_ecoli	rcsB	rpsD
P80645	rcsb_ecoli	ssud_ecoli	rcsB	ssuD
P52097	rcsb_ecoli	tils_ecoli	rcsB	tilS
P37007	rcsb_ecoli	yaga_ecoli	rcsB	yagA
P76243	rcsb_ecoli	yeao_ecoli	rcsB	yeaO
Q46811	rcsb_ecoli	ygfK_ecoli	rcsB	ygfK
P37655	rcsb_ecoli	yhjq_ecoli	rcsB	yhjQ
P0AFG0	rdgb_ecoli	nusg_ecoli	rdgB	nusG
P37095	rdgb_ecoli	pepb_ecoli	rdgB	pepB
P25535	rdgb_ecoli	visc_ecoli	rdgB	visC
P0A717	rdgc_ecoli	kprs_ecoli	rdgC	prs
P18843	reca_ecoli	nade_ecoli	recA	nadE
P0ABL5	reca_ecoli	napc_ecoli	recA	napC
P0A7J3	reca_ecoli	rl10_ecoli	recA	rplJ
P60422	reca_ecoli	rl2_ecoli	recA	rplB
P64548	reca_ecoli	yfir_ecoli	recA	yfiR
P36683	rela_ecoli	acon2_ecoli	relA	acnB
P0A9Q7	rela_ecoli	adhe_ecoli	relA	adhE
P45565	rela_ecoli	ais_ecoli	relA	ais
P0A951	rela_ecoli	atda_ecoli	relA	speG
P0A9A2	rela_ecoli	ftnb_ecoli	relA	ftnB
P33345	rela_ecoli	molr_ecoli	relA	yehH
P0AFG8	rela_ecoli	odp1_ecoli	relA	aceE
P0A7K6	rela_ecoli	rl19_ecoli	relA	rplS
P60422	rela_ecoli	rl2_ecoli	relA	rplB
P60723	rela_ecoli	rl4_ecoli	relA	rplD
P0A7S9	rela_ecoli	rs13_ecoli	relA	rpsM
P0A9K9	rela_ecoli	slyd_ecoli	relA	slyD
P75869	rela_ecoli	sxy_ecoli	relA	sxy
P0ABL8	rf2_ecoli	ccmb_ecoli	prfB	ccmB

P0ACF0	rf2_ecoli	dbha_ecoli	prfB	hupA
P0ACF4	rf2_ecoli	dbhb_ecoli	prfB	hupB
P05852	rf2_ecoli	gcp_ecoli	prfB	gcp
P75959	rf2_ecoli	nagk_ecoli	prfB	nagK
P20083	rf2_ecoli	pare_ecoli	prfB	parE
P0A7Z4	rf2_ecoli	rpoa_ecoli	prfB	rpoA
P39301	rf2_ecoli	ulaa_ecoli	prfB	ulaA
P0AC78	rf2_ecoli	weca_ecoli	prfB	wecA
P76440	rf2_ecoli	yeiT_ecoli	prfB	yeiT
P32704	rf2_ecoli	yjcf_ecoli	prfB	yjcf
P77374	rf2_ecoli	ynfe_ecoli	prfB	ynfE
P0AES6	rf3_ecoli	gyrB_ecoli	prfC	gyrB
P0A832	rf3_ecoli	ssrp_ecoli	prfC	smpB
P0A847	rf3_ecoli	tgt_ecoli	prfC	tgt
P60422	rfab_ecoli	rl2_ecoli	rfaB	rplB
P03960	rfaf_ecoli	atkb_ecoli	rfaF	kdpB
P0A6F5	rfaf_ecoli	ch60_ecoli	rfaF	groL
P0A6Z3	rfaf_ecoli	htpg_ecoli	rfaF	htpG
P0A7L0	rfaf_ecoli	rl1_ecoli	rfaF	rplA
P0AG44	rfaf_ecoli	rl17_ecoli	rfaF	rplQ
P60422	rfaf_ecoli	rl2_ecoli	rfaF	rplB
P0A7V3	rfaf_ecoli	rs3_ecoli	rfaF	rpsC
P0A7V8	rfaf_ecoli	rs4_ecoli	rfaF	rpsD
P02359	rfaf_ecoli	rs7_ecoli	rfaF	rpsG
P39177	rfaf_ecoli	uspg_ecoli	rfaF	uspG
P0A6F5	rfag_ecoli	ch60_ecoli	rfaG	groL
P0AER3	rfag_ecoli	gltj_ecoli	rfaG	gltJ
P60422	rfag_ecoli	rl2_ecoli	rfaG	rplB
P0A7V3	rfag_ecoli	rs3_ecoli	rfaG	rpsC
P75989	rfag_ecoli	ycge_ecoli	rfaG	ycgE
P0AA91	rfag_ecoli	yeay_ecoli	rfaG	yeaY
P0A6F5	rfap_ecoli	ch60_ecoli	rfaP	groL
P63284	rfap_ecoli	clpb_ecoli	rfaP	clpB
P05523	rfap_ecoli	fpg_ecoli	rfaP	mutM
P60422	rfap_ecoli	rl2_ecoli	rfaP	rplB
P00961	rfap_ecoli	sygb_ecoli	rfaP	glyS
P0AEB2	rhlb_ecoli	daca_ecoli	rhlB	dacA

P0A6Y8	rh1b_ecoli	dnak_ecoli	rh1B	dnaK
P0CE47	rh1b_ecoli	eftu1_ecoli	rh1B	tufA
P0A6P9	rh1b_ecoli	eno_ecoli	rh1B	eno
P0A6P9	rh1b_ecoli	eno_ecoli	rh1B	eno
P31600	rh1b_ecoli	nfra_ecoli	rh1B	nfrA
P0AFG8	rh1b_ecoli	odp1_ecoli	rh1B	aceE
P05055	rh1b_ecoli	pnp_ecoli	rh1B	pnp
P05055	rh1b_ecoli	pnp_ecoli	rh1B	pnp
P0A7L0	rh1b_ecoli	rl1_ecoli	rh1B	rplA
P0A7J7	rh1b_ecoli	rl11_ecoli	rh1B	rplK
P0AA10	rh1b_ecoli	rl13_ecoli	rh1B	rplM
P0A7K6	rh1b_ecoli	rl19_ecoli	rh1B	rplS
P0AG48	rh1b_ecoli	rl21_ecoli	rh1B	rplU
P61175	rh1b_ecoli	rl22_ecoli	rh1B	rplV
P61175	rh1b_ecoli	rl22_ecoli	rh1B	rplV
P0A7M2	rh1b_ecoli	rl28_ecoli	rh1B	rpmB
P60438	rh1b_ecoli	rl3_ecoli	rh1B	rplC
P60438	rh1b_ecoli	rl3_ecoli	rh1B	rplC
P0A7R1	rh1b_ecoli	rl9_ecoli	rh1B	rplI
P21513	rh1b_ecoli	rne_ecoli	rh1B	rne
P21513	rh1b_ecoli	rne_ecoli	rh1B	rne
P21513	rh1b_ecoli	rne_ecoli	rh1B	rne
P21513	rh1b_ecoli	rne_ecoli	rh1B	rne
P21513	rh1b_ecoli	rne_ecoli	rh1B	rne
P0A7R5	rh1b_ecoli	rs10_ecoli	rh1B	rpsJ
P0A7T3	rh1b_ecoli	rs16_ecoli	rh1B	rpsP
P0A7U3	rh1b_ecoli	rs19_ecoli	rh1B	rpsS
P0A7U7	rh1b_ecoli	rs20_ecoli	rh1B	rpsT
P0A7V3	rh1b_ecoli	rs3_ecoli	rh1B	rpsC
P0A7V8	rh1b_ecoli	rs4_ecoli	rh1B	rpsD
P0A7W1	rh1b_ecoli	rs5_ecoli	rh1B	rpsE
P02358	rh1b_ecoli	rs6_ecoli	rh1B	rpsF
P02359	rh1b_ecoli	rs7_ecoli	rh1B	rpsG
P02359	rh1b_ecoli	rs7_ecoli	rh1B	rpsG
P27303	rh1e_ecoli	emra_ecoli	rh1E	emrA
P18843	rh1e_ecoli	nade_ecoli	rh1E	nadE
P38489	rh1e_ecoli	nfnb_ecoli	rh1E	nfnB
P0AFI7	rh1e_ecoli	pdxh_ecoli	rh1E	pdxH
P0A7L0	rh1e_ecoli	rl1_ecoli	rh1E	rplA
P60422	rh1e_ecoli	rl2_ecoli	rh1E	rplB
P0A7M2	rh1e_ecoli	rl28_ecoli	rh1E	rpmB
P60438	rh1e_ecoli	rl3_ecoli	rh1E	rplC
P60723	rh1e_ecoli	rl4_ecoli	rh1E	rplD
P0A8V2	rh1e_ecoli	rpob_ecoli	rh1E	rpoB

P0A8T7	rhle_ecoli	rpoc_ecoli	rhIE	rpoC
P0AG67	rhle_ecoli	rs1_ecoli	rhIE	rpsA
P0A7R5	rhle_ecoli	rs10_ecoli	rhIE	rpsJ
P0A7T7	rhle_ecoli	rs18_ecoli	rhIE	rpsR
P0A7V8	rhle_ecoli	rs4_ecoli	rhIE	rpsD
P02359	rhle_ecoli	rs7_ecoli	rhIE	rpsG
P0A7X3	rhle_ecoli	rs9_ecoli	rhIE	rpsI
Q47157	rhle_ecoli	yafo_ecoli	rhIE	yafO
P0AB43	rhle_ecoli	ycgl_ecoli	rhIE	ycgL
P08245	rhle_ecoli	ycih_ecoli	rhIE	yciH
P37338	rhle_ecoli	ygae_ecoli	rhIE	ygaE
P42914	rhle_ecoli	yrai_ecoli	rhIE	yrat

P0CE47	rho_ecoli	eftu1_ecoli	rho	tufA
P0AES0	rho_ecoli	gsp_ecoli	rho	gsp
P38051	rho_ecoli	menf_ecoli	rho	menF
P0AFG0	rho_ecoli	nusg_ecoli	rho	nusG
P60438	rho_ecoli	rl3_ecoli	rho	rplC
P60723	rho_ecoli	rl4_ecoli	rho	rplD
P0A7K2	rho_ecoli	rl7_ecoli	rho	rplL
P0A7V0	rho_ecoli	rs2_ecoli	rho	rpsB
P39177	rho_ecoli	uspg_ecoli	rho	uspG
P0AGK4	rho_ecoli	yhby_ecoli	rho	yhbY

P0A6F5	rimj_ecoli	ch60_ecoli	rimJ	groL
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P0ABE7	rimo_ecoli	c562_ecolx	rimO	cybC
P0AC41	rimo_ecoli	dhsa_ecoli	rimO	sdhA
P0A6Y8	rimo_ecoli	dnak_ecoli	rimO	dnaK
P0A6M4	rimo_ecoli	dtd_ecoli	rimO	dtd
P0A9A9	rimo_ecoli	fur_ecoli	rimO	fur
P0A6B7	rimo_ecoli	iscs_ecoli	rimO	iscS
P18843	rimo_ecoli	nade_ecoli	rimO	nadE
P16916	rimo_ecoli	rhsa_ecoli	rimO	rhsA
P16918	rimo_ecoli	rhsc_ecoli	rimO	rhsC
P0AG44	rimo_ecoli	rl17_ecoli	rimO	rplQ
P0A7V3	rimo_ecoli	rs3_ecoli	rimO	rpsC
P0A7V8	rimo_ecoli	rs4_ecoli	rimO	rpsD
P0A7W1	rimo_ecoli	rs5_ecoli	rimO	rpsE
P0A905	rimo_ecoli	slyb_ecoli	rimO	slyB
P0ACG1	rimo_ecoli	stpa_ecoli	rimO	stpA

P39177	rimo_ecoli	uspg_ecoli	rimO	uspG
P24252	rimo_ecoli	ybga_ecoli	rimO	ybgA
P0A7W1	rimp_ecoli	rs5_ecoli	rimP	rpsE
P02359	rimp_ecoli	rs7_ecoli	rimP	rpsG
P0A8H6	rimp_ecoli	yihl_ecoli	rimP	yihl
P31119	risa_ecoli	aas_ecoli	ribE	aas
P0A6M8	risa_ecoli	efg_ecoli	ribE	fusA
P76558	risa_ecoli	mao2_ecoli	ribE	maeB
P0A6Y8	rl10_ecoli	dnak_ecoli	rplJ	dnaK
P21889	rl10_ecoli	syd_ecoli	rplJ	aspS
P0A6Y8	rl11_ecoli	dnak_ecoli	rplK	dnaK
P27294	rl11_ecoli	inaa_ecoli	rplK	inaA
P19776	rl11_ecoli	insc_ecoli	rplK	insC7
P18843	rl11_ecoli	nade_ecoli	rplK	nadE
P69411	rl11_ecoli	rcsf_ecoli	rplK	rcsF
P76569	rl11_ecoli	yfgd_ecoli	rplK	yfgD
P0AB43	rl13_ecoli	ycgl_ecoli	rplM	ycgL
P64521	rl13_ecoli	yeet_ecoli	rplM	yeeT
P37028	rl15_ecoli	btuf_ecoli	rplO	btuF
P0AB43	rl15_ecoli	ycgl_ecoli	rplO	ycgL
P37326	rl17_ecoli	ints_ecoli	rplQ	intS
P0A9K9	rl17_ecoli	slyd_ecoli	rplQ	slyD
P64574	rl17_ecoli	yghw_ecoli	rplQ	yghW
P39351	rl17_ecoli	yjgz_ecoli	rplQ	yjgZ
P0AFJ5	rl18_ecoli	phob_ecoli	rplR	phoB
P60782	rl18_ecoli	plsy_ecoli	rplR	plsY
P0A948	rl18_ecoli	rimj_ecoli	rplR	rimJ
P0A761	rl19_ecoli	nane_ecoli	rplS	nanE
P11071	rl2_ecoli	acek_ecoli	rplB	aceK

P0A6Y8	rl2_ecoli	dnak_ecoli	rplB	dnaK
P39177	rl2_ecoli	uspg_ecoli	rplB	uspG
P0AED5	rl2_ecoli	uvry_ecoli	rplB	uvrY
P25728	rl2_ecoli	ygba_ecoli	rplB	ygba
P32167	rl22_ecoli	yiiX_ecoli	rplV	yiiX
P09162	rl22_ecoli	yjaA_ecoli	rplV	yjaA
P75977	rl22_ecoli	ymfm_ecoli	rplV	ymfM
P10408	rl23_ecoli	seca_ecoli	rplW	secA
P0AFJ5	rl24_ecoli	phob_ecoli	rplX	phoB
P0A6Y8	rl25_ecoli	dnak_ecoli	rplY	dnaK
P22255	rl27_ecoli	cysQ_ecoli	rpmA	cysQ
P0A6W5	rl27_ecoli	greA_ecoli	rpmA	greA
P18843	rl27_ecoli	nade_ecoli	rpmA	nadE
P39351	rl27_ecoli	yJgZ_ecoli	rpmA	yJgZ
P0AE58	rl3_ecoli	caiF_ecoli	rplC	caiF
P0A6Y8	rl3_ecoli	dnak_ecoli	rplC	dnaK
P0ABU0	rl3_ecoli	menB_ecoli	rplC	menB
P0AG90	rl3_ecoli	secD_ecoli	rplC	secD
P75970	rl3_ecoli	xisE_ecoli	rplC	xisE
P08245	rl3_ecoli	yciH_ecoli	rplC	yciH
P76148	rl3_ecoli	yneG_ecoli	rplC	yneG
P0A6Y8	rl33_ecoli	dnak_ecoli	rpmG	dnaK
Q47270	rl33_ecoli	ninE_ecoli	rpmG	ninE
P0AAU2	rl33_ecoli	ybfA_ecoli	rpmG	ybfA
P77129	rl33_ecoli	ylbE_ecoli	rpmG	ylbE

P0ABH9	rl4_ecoli	clpa_ecoli	rplD	clpA
P0A9P6	rl4_ecoli	dead_ecoli	rplD	deaD
P0A6Y8	rl4_ecoli	dnak_ecoli	rplD	dnaK
P0ABT2	rl4_ecoli	dps_ecoli	rplD	dps
P0A6M8	rl4_ecoli	efg_ecoli	rplD	fusA
P0C8J8	rl4_ecoli	gatz_ecoli	rplD	gatZ
P09373	rl4_ecoli	pflb_ecoli	rplD	pflB
P0AG30	rl4_ecoli	rho_ecoli	rplD	rho
P21499	rl4_ecoli	rnrr_ecoli	rplD	rnrr
P0A8T7	rl4_ecoli	rpoc_ecoli	rplD	rpoC
P10408	rl4_ecoli	seca_ecoli	rplD	secA
P0A9K9	rl4_ecoli	slyd_ecoli	rplD	slyD
P21507	rl4_ecoli	srmB_ecoli	rplD	srmB
P30871	rl4_ecoli	ygif_ecoli	rplD	ygiF
P37640	rl4_ecoli	yhjb_ecoli	rplD	yhjB

P76399	rl6_ecoli	mdtc_ecoli	rplF	mdtC
P0A7A7	rl6_ecoli	plsB_ecoli	rplF	plsB

P0A6Y8	rl9_ecoli	dnak_ecoli	rplI	dnaK
P76104	rl9_ecoli	ydcP_ecoli	rplI	ydcP

P05052	rlmI_ecoli	appy_ecoli	rlmL	appY
P24183	rlmI_ecoli	fdng_ecoli	rlmL	fdnG
P77432	rlmI_ecoli	lsrk_ecoli	rlmL	lsrK
P18843	rlmI_ecoli	nade_ecoli	rlmL	nadE
P0ABL5	rlmI_ecoli	napc_ecoli	rlmL	napC
P0A7L0	rlmI_ecoli	rl1_ecoli	rlmL	rplA
P0A7L0	rlmI_ecoli	rl1_ecoli	rlmL	rplA
P0AG44	rlmI_ecoli	rl17_ecoli	rlmL	rplQ
P60422	rlmI_ecoli	rl2_ecoli	rlmL	rplB
P60438	rlmI_ecoli	rl3_ecoli	rlmL	rplC
P0A7V3	rlmI_ecoli	rs3_ecoli	rlmL	rpsC
P0A7V8	rlmI_ecoli	rs4_ecoli	rlmL	rpsD
P02359	rlmI_ecoli	rs7_ecoli	rlmL	rpsG
P0A7X3	rlmI_ecoli	rs9_ecoli	rlmL	rpsI
P0AA43	rlmI_ecoli	rsua_ecoli	rlmL	rsuA
P76573	rlmI_ecoli	yfgI_ecoli	rlmL	yfgI
P0AGJ5	rlmI_ecoli	yfif_ecoli	rlmL	yfiF

Q46810	rlml_ecoli	ygfj_ecoli	rlmL	ygfJ
P76092	rlml_ecoli	ynbc_ecoli	rlmL	ynbC
P0A6F5	rlmm_ecoli	ch60_ecoli	rlmM	groL
P0AEM9	rlmm_ecoli	fliy_ecoli	rlmM	fliY
P0AG44	rlmm_ecoli	rl17_ecoli	rlmM	rplQ
P60422	rlmm_ecoli	rl2_ecoli	rlmM	rplB
P60723	rlmm_ecoli	rl4_ecoli	rlmM	rplD
P36999	rlmm_ecoli	rlma_ecoli	rlmM	rlmA
P77223	rlmm_ecoli	rnfb_ecoli	rlmM	rnfB
P0A7S9	rlmm_ecoli	rs13_ecoli	rlmM	rpsM
P0A7V3	rlmm_ecoli	rs3_ecoli	rlmM	rpsC
P02359	rlmm_ecoli	rs7_ecoli	rlmM	rpsG
P0A870	rlmm_ecoli	talb_ecoli	rlmM	talB
Q46798	rlmm_ecoli	yger_ecoli	rlmM	ygeR
P64574	rlmm_ecoli	yghw_ecoli	rlmM	yghW
P31119	rlmn_ecoli	aas_ecoli	rlmN	aas
P0A6F5	rlmn_ecoli	ch60_ecoli	rlmN	groL
P0ABH9	rlmn_ecoli	clpa_ecoli	rlmN	clpA
P63284	rlmn_ecoli	clpb_ecoli	rlmN	clpB
P0A6K1	rlmn_ecoli	dapf_ecoli	rlmN	dapF
P0ACF0	rlmn_ecoli	dbha_ecoli	rlmN	hupA
P0A9P6	rlmn_ecoli	dead_ecoli	rlmN	deaD
P0A9P0	rlmn_ecoli	dldh_ecoli	rlmN	lpdA
P08622	rlmn_ecoli	dnaj_ecoli	rlmN	dnaJ
P08622	rlmn_ecoli	dnaj_ecoli	rlmN	dnaJ
P0A6M8	rlmn_ecoli	efg_ecoli	rlmN	fusA
POCE47	rlmn_ecoli	eftu1_ecoli	rlmN	tufA
POCE47	rlmn_ecoli	eftu1_ecoli	rlmN	tufA
P0AEH5	rlmn_ecoli	elab_ecoli	rlmN	elaB
P0ACP1	rlmn_ecoli	frur_ecoli	rlmN	fruR
POC8J6	rlmn_ecoli	gaty_ecoli	rlmN	gatY
P0AES6	rlmn_ecoli	gyrb_ecoli	rlmN	gyrB
P0ACE7	rlmn_ecoli	hint_ecoli	rlmN	hinT
P43329	rlmn_ecoli	hrpa_ecoli	rlmN	hrpA
P0A705	rlmn_ecoli	if2_ecoli	rlmN	infB
P0A707	rlmn_ecoli	if3_ecoli	rlmN	infC
P0A9M0	rlmn_ecoli	lon_ecoli	rlmN	lon
P06993	rlmn_ecoli	malt_ecoli	rlmN	malT
P77188	rlmn_ecoli	matc_ecoli	rlmN	matC
P02942	rlmn_ecoli	mcp1_ecoli	rlmN	tsr
P02921	rlmn_ecoli	melb_ecoli	rlmN	melB
P0A817	rlmn_ecoli	metk_ecoli	rlmN	metK
P0A9X4	rlmn_ecoli	mreb_ecoli	rlmN	mreB

P18843	rlmn_ecoli	nade_ecoli	rlmN	nadE
P33599	rlmn_ecoli	nuocd_ecoli	rlmN	nuoC
P33021	rlmn_ecoli	nupx_ecoli	rlmN	nupX
P0AFG8	rlmn_ecoli	odp1_ecoli	rlmN	aceE
P06959	rlmn_ecoli	odp2_ecoli	rlmN	aceF
P06996	rlmn_ecoli	ompc_ecoli	rlmN	ompC
P02932	rlmn_ecoli	phoe_ecoli	rlmN	phoE
P08400	rlmn_ecoli	phor_ecoli	rlmN	phoR
P05055	rlmn_ecoli	pnp_ecoli	rlmN	pnp
P69407	rlmn_ecoli	rcsb_ecoli	rlmN	rcsB
P0A7G6	rlmn_ecoli	reca_ecoli	rlmN	recA
P0A7L0	rlmn_ecoli	rl1_ecoli	rlmN	rplA
P0A7L0	rlmn_ecoli	rl1_ecoli	rlmN	rplA
P0A7L0	rlmn_ecoli	rl1_ecoli	rlmN	rplA
P0AA10	rlmn_ecoli	rl13_ecoli	rlmN	rplM
P0AA10	rlmn_ecoli	rl13_ecoli	rlmN	rplM
P02413	rlmn_ecoli	rl15_ecoli	rlmN	rplO
P02413	rlmn_ecoli	rl15_ecoli	rlmN	rplO
P0AG44	rlmn_ecoli	rl17_ecoli	rlmN	rplQ
P0C018	rlmn_ecoli	rl18_ecoli	rlmN	rplR
P0A7K6	rlmn_ecoli	rl19_ecoli	rlmN	rplS
P0A7K6	rlmn_ecoli	rl19_ecoli	rlmN	rplS
P60422	rlmn_ecoli	rl2_ecoli	rlmN	rplB
P60422	rlmn_ecoli	rl2_ecoli	rlmN	rplB
P60422	rlmn_ecoli	rl2_ecoli	rlmN	rplB
P0A7L3	rlmn_ecoli	rl20_ecoli	rlmN	rplT
P0AG48	rlmn_ecoli	rl21_ecoli	rlmN	rplU
P61175	rlmn_ecoli	rl22_ecoli	rlmN	rplV
P61175	rlmn_ecoli	rl22_ecoli	rlmN	rplV
P0ADZ0	rlmn_ecoli	rl23_ecoli	rlmN	rplW
P60624	rlmn_ecoli	rl24_ecoli	rlmN	rplX
P60624	rlmn_ecoli	rl24_ecoli	rlmN	rplX
P0A7L8	rlmn_ecoli	rl27_ecoli	rlmN	rpmA
P0A7M2	rlmn_ecoli	rl28_ecoli	rlmN	rpmB
P0A7M6	rlmn_ecoli	rl29_ecoli	rlmN	rpmC
P60438	rlmn_ecoli	rl3_ecoli	rlmN	rplC
P60438	rlmn_ecoli	rl3_ecoli	rlmN	rplC
P60438	rlmn_ecoli	rl3_ecoli	rlmN	rplC
P60723	rlmn_ecoli	rl4_ecoli	rlmN	rplD
P60723	rlmn_ecoli	rl4_ecoli	rlmN	rplD
P62399	rlmn_ecoli	rl5_ecoli	rlmN	rplE
P62399	rlmn_ecoli	rl5_ecoli	rlmN	rplE
P0AG55	rlmn_ecoli	rl6_ecoli	rlmN	rplF
P0A7K2	rlmn_ecoli	rl7_ecoli	rlmN	rplL
P0A7R1	rlmn_ecoli	rl9_ecoli	rlmN	rplI

P0A7R1	rlmn_ecoli	rl9_ecoli	rlmN	rplI
P75864	rlmn_ecoli	rlml_ecoli	rlmN	rlmL
P37765	rlmn_ecoli	rlub_ecoli	rlmN	rluB
P37765	rlmn_ecoli	rlub_ecoli	rlmN	rluB
P21513	rlmn_ecoli	rne_ecoli	rlmN	rne
P21499	rlmn_ecoli	rnr_ecoli	rlmN	rnr
P21499	rlmn_ecoli	rnr_ecoli	rlmN	rnr
P0A8T7	rlmn_ecoli	rpoc_ecoli	rlmN	rpoC
P0AG67	rlmn_ecoli	rs1_ecoli	rlmN	rpsA
P0AG67	rlmn_ecoli	rs1_ecoli	rlmN	rpsA
P0A7R5	rlmn_ecoli	rs10_ecoli	rlmN	rpsJ
P0A7R5	rlmn_ecoli	rs10_ecoli	rlmN	rpsJ
P0AG59	rlmn_ecoli	rs14_ecoli	rlmN	rpsN
P0A7T3	rlmn_ecoli	rs16_ecoli	rlmN	rpsP
P0A7T7	rlmn_ecoli	rs18_ecoli	rlmN	rpsR
P0A7V0	rlmn_ecoli	rs2_ecoli	rlmN	rpsB
P0A7V0	rlmn_ecoli	rs2_ecoli	rlmN	rpsB
P0A7V3	rlmn_ecoli	rs3_ecoli	rlmN	rpsC
P0A7V3	rlmn_ecoli	rs3_ecoli	rlmN	rpsC
P0A7V8	rlmn_ecoli	rs4_ecoli	rlmN	rpsD
P0A7V8	rlmn_ecoli	rs4_ecoli	rlmN	rpsD
P0A7W1	rlmn_ecoli	rs5_ecoli	rlmN	rpsE
P0A7W1	rlmn_ecoli	rs5_ecoli	rlmN	rpsE
P02358	rlmn_ecoli	rs6_ecoli	rlmN	rpsF
P02359	rlmn_ecoli	rs7_ecoli	rlmN	rpsG
P02359	rlmn_ecoli	rs7_ecoli	rlmN	rpsG
P10408	rlmn_ecoli	seca_ecoli	rlmN	secA
P10408	rlmn_ecoli	seca_ecoli	rlmN	secA
P14081	rlmn_ecoli	selb_ecoli	rlmN	selB
P14081	rlmn_ecoli	selb_ecoli	rlmN	selB
P0AEU7	rlmn_ecoli	skp_ecoli	rlmN	skp
P0AG24	rlmn_ecoli	spot_ecoli	rlmN	spoT
P21507	rlmn_ecoli	srmB_ecoli	rlmN	srmB
P21507	rlmn_ecoli	srmB_ecoli	rlmN	srmB
P0A8N3	rlmn_ecoli	syk1_ecoli	rlmN	lysS
P0A8N5	rlmn_ecoli	syk2_ecoli	rlmN	lysU
P71238	rlmn_ecoli	wcad_ecoli	rlmN	wcaD
P77199	rlmn_ecoli	yait_ecoli	rlmN	yaiT
P08245	rlmn_ecoli	ycih_ecoli	rlmN	yciH
P76104	rlmn_ecoli	ydcP_ecoli	rlmN	ydcP
P0A8M6	rlmn_ecoli	yeex_ecoli	rlmN	yeeX
P0AGJ5	rlmn_ecoli	yfiF_ecoli	rlmN	yfiF
P0AGJ5	rlmn_ecoli	yfiF_ecoli	rlmN	yfiF
P0ADQ7	rlmn_ecoli	ygam_ecoli	rlmN	ygaM
P30871	rlmn_ecoli	ygif_ecoli	rlmN	ygiF

P0AGK4	rlmn_ecoli	yhby_ecoli	rlmN	yhby
P37634	rlmn_ecoli	yhir_ecoli	rlmN	yhiR
P37634	rlmn_ecoli	yhir_ecoli	rlmN	yhiR
P0ADK8	rlmn_ecoli	yibl_ecoli	rlmN	yibL
P33224	rlub_ecoli	aidb_ecoli	rluB	aidB
P0ACF0	rlub_ecoli	dbha_ecoli	rluB	hupA
P43329	rlub_ecoli	hrpa_ecoli	rluB	hrpA
P43329	rlub_ecoli	hrpa_ecoli	rluB	hrpA
P77188	rlub_ecoli	matc_ecoli	rluB	matC
P0AFG8	rlub_ecoli	odp1_ecoli	rluB	aceE
P05055	rlub_ecoli	pnp_ecoli	rluB	pnp
P23830	rlub_ecoli	pss_ecoli	rluB	pssA
P0A7L0	rlub_ecoli	rl1_ecoli	rluB	rplA
P0A7L0	rlub_ecoli	rl1_ecoli	rluB	rplA
P0AA10	rlub_ecoli	rl13_ecoli	rluB	rplM
P0AA10	rlub_ecoli	rl13_ecoli	rluB	rplM
P0A7K6	rlub_ecoli	rl19_ecoli	rluB	rplS
P60422	rlub_ecoli	rl2_ecoli	rluB	rplB
P0AG48	rlub_ecoli	rl21_ecoli	rluB	rplU
P61175	rlub_ecoli	rl22_ecoli	rluB	rplV
P60624	rlub_ecoli	rl24_ecoli	rluB	rplX
P68919	rlub_ecoli	rl25_ecoli	rluB	rplY
P0A7M2	rlub_ecoli	rl28_ecoli	rluB	rpmB
P60438	rlub_ecoli	rl3_ecoli	rluB	rplC
P60438	rlub_ecoli	rl3_ecoli	rluB	rplC
P60723	rlub_ecoli	rl4_ecoli	rluB	rplD
P60723	rlub_ecoli	rl4_ecoli	rluB	rplD
P62399	rlub_ecoli	rl5_ecoli	rluB	rplE
P0AG55	rlub_ecoli	rl6_ecoli	rluB	rplF
P0A7R1	rlub_ecoli	rl9_ecoli	rluB	rplI
P0A7R1	rlub_ecoli	rl9_ecoli	rluB	rplI
P75864	rlub_ecoli	rlml_ecoli	rluB	rlmL
P75966	rlub_ecoli	rlue_ecoli	rluB	rluE
P21499	rlub_ecoli	rnrc_ecoli	rluB	rnrc
P21499	rlub_ecoli	rnrc_ecoli	rluB	rnrc
P0AG67	rlub_ecoli	rs1_ecoli	rluB	rpsA
P0AG67	rlub_ecoli	rs1_ecoli	rluB	rpsA
P0A7R5	rlub_ecoli	rs10_ecoli	rluB	rpsJ
P0A7R5	rlub_ecoli	rs10_ecoli	rluB	rpsJ
P0A7S9	rlub_ecoli	rs13_ecoli	rluB	rpsM
P0AG59	rlub_ecoli	rs14_ecoli	rluB	rpsN
P0A7T3	rlub_ecoli	rs16_ecoli	rluB	rpsP

P0A7T7	rlub_ecoli	rs18_ecoli	rluB	rpsR
P0A7V0	rlub_ecoli	rs2_ecoli	rluB	rpsB
P0A7U7	rlub_ecoli	rs20_ecoli	rluB	rpsT
P68679	rlub_ecoli	rs21_ecoli	rluB	rpsU
P0A7V3	rlub_ecoli	rs3_ecoli	rluB	rpsC
P0A7V8	rlub_ecoli	rs4_ecoli	rluB	rpsD
P0A7W1	rlub_ecoli	rs5_ecoli	rluB	rpsE
P0A7W1	rlub_ecoli	rs5_ecoli	rluB	rpsE
P02358	rlub_ecoli	rs6_ecoli	rluB	rpsF
P02359	rlub_ecoli	rs7_ecoli	rluB	rpsG
P02359	rlub_ecoli	rs7_ecoli	rluB	rpsG
P21507	rlub_ecoli	srmB_ecoli	rluB	srmB
P21507	rlub_ecoli	srmB_ecoli	rluB	srmB
P00957	rlub_ecoli	sya_ecoli	rluB	alaS
P77766	rlub_ecoli	trph_ecoli	rluB	trpH
P0A9U1	rlub_ecoli	ybhf_ecoli	rluB	ybhF
P31808	rlub_ecoli	ycik_ecoli	rluB	yciK
P0AGJ5	rlub_ecoli	yfif_ecoli	rluB	yfiF
P30871	rlub_ecoli	ygif_ecoli	rluB	ygiF
P30871	rlub_ecoli	ygif_ecoli	rluB	ygiF
P67762	rlub_ecoli	yhbp_ecoli	rluB	yhbP
P0AGK4	rlub_ecoli	yhby_ecoli	rluB	yhbY
P28722	rlub_ecoli	yhca_ecoli	rluB	yhcA
P37631	rlub_ecoli	yhin_ecoli	rluB	yhiN
P37634	rlub_ecoli	yhir_ecoli	rluB	yhiR
P37634	rlub_ecoli	yhir_ecoli	rluB	yhiR
P0ADK8	rlub_ecoli	yibl_ecoli	rluB	yibL
P0ABD5	rluc_ecoli	acca_ecoli	rluC	accA
P33224	rluc_ecoli	aidb_ecoli	rluC	aidB
P0ACF0	rluc_ecoli	dbha_ecoli	rluC	hupA
P0ACF4	rluc_ecoli	dbhb_ecoli	rluC	hupB
P0A9P6	rluc_ecoli	dead_ecoli	rluC	deaD
P0A9P0	rluc_ecoli	dldh_ecoli	rluC	lpdA
P0A9P0	rluc_ecoli	dldh_ecoli	rluC	lpdA
P43329	rluc_ecoli	hrpa_ecoli	rluC	hrpA
P0AFG8	rluc_ecoli	odp1_ecoli	rluC	aceE
P06959	rluc_ecoli	odp2_ecoli	rluC	aceF
P23830	rluc_ecoli	pss_ecoli	rluC	pssA
P23830	rluc_ecoli	pss_ecoli	rluC	pssA
P37177	rluc_ecoli	pt1p_ecoli	rluC	ptsP
P25888	rluc_ecoli	rhle_ecoli	rluC	rhIE
P0A7L0	rluc_ecoli	rl1_ecoli	rluC	rplA
P0A7L0	rluc_ecoli	rl1_ecoli	rluC	rplA
P0A7L0	rluc_ecoli	rl1_ecoli	rluC	rplA

P0AA10	rluc_ecoli	rl13_ecoli	rluC	rpIM
P0AA10	rluc_ecoli	rl13_ecoli	rluC	rpIM
P0ADY3	rluc_ecoli	rl14_ecoli	rluC	rpIN
P02413	rluc_ecoli	rl15_ecoli	rluC	rpIO
P02413	rluc_ecoli	rl15_ecoli	rluC	rpIO
P0ADY7	rluc_ecoli	rl16_ecoli	rluC	rpIP
P0AG44	rluc_ecoli	rl17_ecoli	rluC	rpIQ
P0AG44	rluc_ecoli	rl17_ecoli	rluC	rpIQ
P0C018	rluc_ecoli	rl18_ecoli	rluC	rpIR
P0A7K6	rluc_ecoli	rl19_ecoli	rluC	rpIS
P0A7K6	rluc_ecoli	rl19_ecoli	rluC	rpIS
P60422	rluc_ecoli	rl2_ecoli	rluC	rpIB
P60422	rluc_ecoli	rl2_ecoli	rluC	rpIB
P60422	rluc_ecoli	rl2_ecoli	rluC	rpIB
P0A7L3	rluc_ecoli	rl20_ecoli	rluC	rpIT
P0AG48	rluc_ecoli	rl21_ecoli	rluC	rpIU
P0AG48	rluc_ecoli	rl21_ecoli	rluC	rpIU
P61175	rluc_ecoli	rl22_ecoli	rluC	rpIV
P61175	rluc_ecoli	rl22_ecoli	rluC	rpIV
P60624	rluc_ecoli	rl24_ecoli	rluC	rpIX
P60624	rluc_ecoli	rl24_ecoli	rluC	rpIX
P0A7M2	rluc_ecoli	rl28_ecoli	rluC	rpmB
P60438	rluc_ecoli	rl3_ecoli	rluC	rpIC
P60438	rluc_ecoli	rl3_ecoli	rluC	rpIC
P60723	rluc_ecoli	rl4_ecoli	rluC	rpID
P60723	rluc_ecoli	rl4_ecoli	rluC	rpID
P62399	rluc_ecoli	rl5_ecoli	rluC	rpIE
P0AG55	rluc_ecoli	rl6_ecoli	rluC	rpIF
P0AG55	rluc_ecoli	rl6_ecoli	rluC	rpIF
P0A7K2	rluc_ecoli	rl7_ecoli	rluC	rpIL
P0A7R1	rluc_ecoli	rl9_ecoli	rluC	rpII
P0A7R1	rluc_ecoli	rl9_ecoli	rluC	rpII
P75864	rluc_ecoli	rlml_ecoli	rluC	rlmL
P75864	rluc_ecoli	rlml_ecoli	rluC	rlmL
P37765	rluc_ecoli	rlub_ecoli	rluC	rluB
P37765	rluc_ecoli	rlub_ecoli	rluC	rluB
P75966	rluc_ecoli	rlue_ecoli	rluC	rluE
P21499	rluc_ecoli	rnrc_ecoli	rluC	rnrc
P21499	rluc_ecoli	rnrc_ecoli	rluC	rnrc
P0A8V2	rluc_ecoli	rpob_ecoli	rluC	rpoB
P0A8V2	rluc_ecoli	rpob_ecoli	rluC	rpoB
P0A8T7	rluc_ecoli	rpoc_ecoli	rluC	rpoC
P0A8T7	rluc_ecoli	rpoc_ecoli	rluC	rpoC
P0AG67	rluc_ecoli	rs1_ecoli	rluC	rpsA
P0A7S9	rluc_ecoli	rs13_ecoli	rluC	rpsM

P0A7S9	rluc_ecoli	rs13_ecoli	rluC	rpsM
P0A7S9	rluc_ecoli	rs13_ecoli	rluC	rpsM
P0AG59	rluc_ecoli	rs14_ecoli	rluC	rpsN
P0A7T3	rluc_ecoli	rs16_ecoli	rluC	rpsP
P0A7T7	rluc_ecoli	rs18_ecoli	rluC	rpsR
P0A7V0	rluc_ecoli	rs2_ecoli	rluC	rpsB
P0A7V0	rluc_ecoli	rs2_ecoli	rluC	rpsB
P0A7U7	rluc_ecoli	rs20_ecoli	rluC	rpsT
P0A7V3	rluc_ecoli	rs3_ecoli	rluC	rpsC
P0A7V3	rluc_ecoli	rs3_ecoli	rluC	rpsC
P0A7V8	rluc_ecoli	rs4_ecoli	rluC	rpsD
P0A7W1	rluc_ecoli	rs5_ecoli	rluC	rpsE
P0A7W1	rluc_ecoli	rs5_ecoli	rluC	rpsE
P02358	rluc_ecoli	rs6_ecoli	rluC	rpsF
P02359	rluc_ecoli	rs7_ecoli	rluC	rpsG
P02359	rluc_ecoli	rs7_ecoli	rluC	rpsG
P02359	rluc_ecoli	rs7_ecoli	rluC	rpsG
P10408	rluc_ecoli	seca_ecoli	rluC	secA
P0AG24	rluc_ecoli	spot_ecoli	rluC	spoT
P21507	rluc_ecoli	srmB_ecoli	rluC	srmB
P39177	rluc_ecoli	uspg_ecoli	rluC	uspG
P0AAS7	rluc_ecoli	ybcj_ecoli	rluC	ybcJ
P75828	rluc_ecoli	ybjd_ecoli	rluC	ybjD
P31063	rluc_ecoli	yedd_ecoli	rluC	yedD
P0AGJ5	rluc_ecoli	yfif_ecoli	rluC	yfiF
P0AGJ5	rluc_ecoli	yfif_ecoli	rluC	yfiF
P30871	rluc_ecoli	ygif_ecoli	rluC	ygiF
P37634	rluc_ecoli	yhir_ecoli	rluC	yhiR
P0ADK8	rluc_ecoli	yibl_ecoli	rluC	yibL
P76116	rluc_ecoli	ynce_ecoli	rluC	yncE
P76116	rluc_ecoli	ynce_ecoli	rluC	yncE

P0A6K3	rmla1_ecoli	def_ecoli	rmlA1	def
Q47129	rmla1_ecoli	fear_ecoli	rmlA1	feaR
P37595	rmla1_ecoli	iaaa_ecoli	rmlA1	iaaA
P18843	rmla1_ecoli	nade_ecoli	rmlA1	nadE
P28722	rmla1_ecoli	yhca_ecoli	rmlA1	yhca

P00722	rmlb1_ecoli	bgal_ecoli	rfbB	lacZ
P18843	rmlb1_ecoli	nade_ecoli	rfbB	nadE
P10908	rmlb1_ecoli	ugpq_ecoli	rfbB	ugpQ

P0A6F5	rmlc_ecoli	ch60_ecoli	rfbC	groL
P0A6F5	rmlc_ecoli	ch60_ecoli	rfbC	groL
P64599	rmlc_ecoli	yhbt_ecoli	rfbC	yhbt
P37197	rmlc_ecoli	yhja_ecoli	rfbC	yhjA
P27550	rnb_ecoli	acsa_ecoli	rnb	acs
P0A6M8	rnb_ecoli	efg_ecoli	rnb	fusA
P0A6Z3	rnb_ecoli	htpg_ecoli	rnb	htpG
P18843	rnb_ecoli	nade_ecoli	rnb	nadE
P0A7W1	rnb_ecoli	rs5_ecoli	rnb	rpsE
P00956	rnb_ecoli	syi_ecoli	rnb	ileS
P30136	rnb_ecoli	thic_ecoli	rnb	thiC
P0A6F5	rnd_ecoli	ch60_ecoli	rnd	groL
P0A9P6	rne_ecoli	dead_ecoli	rne	deaD
P0A9P6	rne_ecoli	dead_ecoli	rne	deaD
P0A6Y8	rne_ecoli	dnak_ecoli	rne	dnaK
P0A6Y8	rne_ecoli	dnak_ecoli	rne	dnaK
P0A6Y8	rne_ecoli	dnak_ecoli	rne	dnaK
P0A6Y8	rne_ecoli	dnak_ecoli	rne	dnaK
P0A6Y8	rne_ecoli	dnak_ecoli	rne	dnaK
P0A6Y8	rne_ecoli	dnak_ecoli	rne	dnaK
P0A6Y8	rne_ecoli	dnak_ecoli	rne	dnaK
P0A6Y8	rne_ecoli	dnak_ecoli	rne	dnaK
P37313	rne_ecoli	dppf_ecoli	rne	dppF
P0CE47	rne_ecoli	eftu1_ecoli	rne	tufA
P0A6P9	rne_ecoli	eno_ecoli	rne	eno
P0A6P9	rne_ecoli	eno_ecoli	rne	eno
P0A6P9	rne_ecoli	eno_ecoli	rne	eno
P0A6P9	rne_ecoli	eno_ecoli	rne	eno
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P0A6P9	rne_ecoli	eno_ecoli	rne	eno
P0A6P9	rne_ecoli	eno_ecoli	rne	eno
P0A6P9	rne_ecoli	eno_ecoli	rne	eno
P0A6P9	rne_ecoli	eno_ecoli	rne	eno
P0A6Q6	rne_ecoli	fabz_ecoli	rne	fabZ
P0ACP1	rne_ecoli	frur_ecoli	rne	fruR
P0A6X3	rne_ecoli	hfq_ecoli	rne	hfq
P31069	rne_ecoli	kch_ecoli	rne	kch
P31069	rne_ecoli	kch_ecoli	rne	kch

P31069	rne_ecoli	kch_ecoli	rne	kch
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P31069	rne_ecoli	kch_ecoli	rne	kch
P31069	rne_ecoli	kch_ecoli	rne	kch
P31069	rne_ecoli	kch_ecoli	rne	kch
P77338	rne_ecoli	kefa_ecoli	rne	kefA
P77338	rne_ecoli	kefa_ecoli	rne	kefA
P77338	rne_ecoli	kefa_ecoli	rne	kefA
P77338	rne_ecoli	kefa_ecoli	rne	kefA
P77338	rne_ecoli	kefa_ecoli	rne	kefA
P77338	rne_ecoli	kefa_ecoli	rne	kefA
P77338	rne_ecoli	kefa_ecoli	rne	kefA
P52603	rne_ecoli	klca2_ecolx	rne	klcA
P52603	rne_ecoli	klca2_ecolx	rne	klcA
P52603	rne_ecoli	klca2_ecolx	rne	klcA
P05055	rne_ecoli	pnp_ecoli	rne	pnp
P05055	rne_ecoli	pnp_ecoli	rne	pnp
P05055	rne_ecoli	pnp_ecoli	rne	pnp
P05055	rne_ecoli	pnp_ecoli	rne	pnp
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P05055	rne_ecoli	pnp_ecoli	rne	pnp
P05055	rne_ecoli	pnp_ecoli	rne	pnp
P05055	rne_ecoli	pnp_ecoli	rne	pnp
POA8J8	rne_ecoli	rhlb_ecoli	rne	rhlB
POA8J8	rne_ecoli	rhlb_ecoli	rne	rhlB
POA8J8	rne_ecoli	rhlb_ecoli	rne	rhlB
POA8J8	rne_ecoli	rhlb_ecoli	rne	rhlB
POA8J8	rne_ecoli	rhlb_ecoli	rne	rhlB
POA8J8	rne_ecoli	rhlb_ecoli	rne	rhlB
POA8J8	rne_ecoli	rhlb_ecoli	rne	rhlB
POA8J8	rne_ecoli	rhlb_ecoli	rne	rhlB
POA8J8	rne_ecoli	rhlb_ecoli	rne	rhlB
POA8J8	rne_ecoli	rhlb_ecoli	rne	rhlB
POA7L0	rne_ecoli	rl1_ecoli	rne	rplA
POA7L0	rne_ecoli	rl1_ecoli	rne	rplA
POA7L0	rne_ecoli	rl1_ecoli	rne	rplA
POA7L0	rne_ecoli	rl1_ecoli	rne	rplA
POA7L0	rne_ecoli	rl1_ecoli	rne	rplA
POA7J7	rne_ecoli	rl11_ecoli	rne	rplK
POA7J7	rne_ecoli	rl11_ecoli	rne	rplK
POAA10	rne_ecoli	rl13_ecoli	rne	rplM
P02413	rne_ecoli	rl15_ecoli	rne	rplO
P02413	rne_ecoli	rl15_ecoli	rne	rplO
P60422	rne_ecoli	rl2_ecoli	rne	rplB
P60422	rne_ecoli	rl2_ecoli	rne	rplB
P60422	rne_ecoli	rl2_ecoli	rne	rplB
P60422	rne_ecoli	rl2_ecoli	rne	rplB

P60422	rne_ecoli	rl2_ecoli	rne	rplB
P0AG48	rne_ecoli	rl21_ecoli	rne	rplU
P61175	rne_ecoli	rl22_ecoli	rne	rplV
P61175	rne_ecoli	rl22_ecoli	rne	rplV
P0ADZ0	rne_ecoli	rl23_ecoli	rne	rplW
P60624	rne_ecoli	rl24_ecoli	rne	rplX
P0A7M2	rne_ecoli	rl28_ecoli	rne	rpmB
P0A7M2	rne_ecoli	rl28_ecoli	rne	rpmB
P60438	rne_ecoli	rl3_ecoli	rne	rplC
P60438	rne_ecoli	rl3_ecoli	rne	rplC
P60723	rne_ecoli	rl4_ecoli	rne	rplD
P60723	rne_ecoli	rl4_ecoli	rne	rplD
P0A7K2	rne_ecoli	rl7_ecoli	rne	rplL
P0A7R1	rne_ecoli	rl9_ecoli	rne	rplI
P0A7R1	rne_ecoli	rl9_ecoli	rne	rplI
P75864	rne_ecoli	rlml_ecoli	rne	rlmL
P37765	rne_ecoli	rlub_ecoli	rne	rluB
P21499	rne_ecoli	rnrc_ecoli	rne	rnrc
P0A7R5	rne_ecoli	rs10_ecoli	rne	rpsJ
P0A7T3	rne_ecoli	rs16_ecoli	rne	rpsP
P0A7V0	rne_ecoli	rs2_ecoli	rne	rpsB
P0A7U7	rne_ecoli	rs20_ecoli	rne	rpsT
P68679	rne_ecoli	rs21_ecoli	rne	rpsU
P0A7V3	rne_ecoli	rs3_ecoli	rne	rpsC
P0A7V8	rne_ecoli	rs4_ecoli	rne	rpsD
P0A7V8	rne_ecoli	rs4_ecoli	rne	rpsD
P0A7W1	rne_ecoli	rs5_ecoli	rne	rpsE
P02358	rne_ecoli	rs6_ecoli	rne	rpsF
P02359	rne_ecoli	rs7_ecoli	rne	rpsG
P02359	rne_ecoli	rs7_ecoli	rne	rpsG
P77468	rne_ecoli	sfmd_ecoli	rne	sfmD
P77468	rne_ecoli	sfmd_ecoli	rne	sfmD
P77468	rne_ecoli	sfmd_ecoli	rne	sfmD
P77468	rne_ecoli	sfmd_ecoli	rne	sfmD
P77468	rne_ecoli	sfmd_ecoli	rne	sfmD
P21507	rne_ecoli	srmb_ecoli	rne	srmB
P33570	rne_ecoli	tkt2_ecoli	rne	tktB
P33570	rne_ecoli	tkt2_ecoli	rne	tktB
P33570	rne_ecoli	tkt2_ecoli	rne	tktB
P33570	rne_ecoli	tkt2_ecoli	rne	tktB
P33570	rne_ecoli	tkt2_ecoli	rne	tktB
P33570	rne_ecoli	tkt2_ecoli	rne	tktB
P33570	rne_ecoli	tkt2_ecoli	rne	tktB
P0AB26	rne_ecoli	yceb_ecoli	rne	yceB
P0AB26	rne_ecoli	yceb_ecoli	rne	yceB

P0AB26	rne_ecoli	yceb_ecoli	rne	yceB
P75990	rne_ecoli	ycgf_ecoli	rne	ycgF
P75990	rne_ecoli	ycgf_ecoli	rne	ycgF
P75995	rne_ecoli	ycgg_ecoli	rne	ycgG
P75995	rne_ecoli	ycgg_ecoli	rne	ycgG
P75995	rne_ecoli	ycgg_ecoli	rne	ycgG
P75995	rne_ecoli	ycgg_ecoli	rne	ycgG
P75995	rne_ecoli	ycgg_ecoli	rne	ycgG
P75995	rne_ecoli	ycgg_ecoli	rne	ycgG
P75995	rne_ecoli	ycgg_ecoli	rne	ycgG
P0AGJ5	rne_ecoli	yfif_ecoli	rne	yfiF
P76594	rne_ecoli	yfiq_ecoli	rne	yfiQ
P37641	rne_ecoli	yhjc_ecoli	rne	yhjC
P37641	rne_ecoli	yhjc_ecoli	rne	yhjC
P0A6Y8	rng_ecoli	dnak_ecoli	rng	dnak
P0A6P9	rng_ecoli	eno_ecoli	rng	eno
P15033	rng_ecoli	racc_ecoli	rng	racC
P0AG44	rng_ecoli	rl17_ecoli	rng	rplQ
P60422	rng_ecoli	rl2_ecoli	rng	rplB
P0AG07	rng_ecoli	rpe_ecoli	rng	rpe
P0A7S9	rng_ecoli	rs13_ecoli	rng	rpsM
P0ADZ4	rng_ecoli	rs15_ecoli	rng	rpsO
P0A7U3	rng_ecoli	rs19_ecoli	rng	rpsS
P0A7V0	rng_ecoli	rs2_ecoli	rng	rpsB
P0A7U7	rng_ecoli	rs20_ecoli	rng	rpsT
P68679	rng_ecoli	rs21_ecoli	rng	rpsU
P0A7V3	rng_ecoli	rs3_ecoli	rng	rpsC
P0A7V8	rng_ecoli	rs4_ecoli	rng	rpsD
P0A7W1	rng_ecoli	rs5_ecoli	rng	rpsE
P0A7X3	rng_ecoli	rs9_ecoli	rng	rpsI
P0A7X3	rng_ecoli	rs9_ecoli	rng	rpsI
P06961	rnr_ecoli	cca_ecoli	rnr	cca
P0ACF0	rnr_ecoli	dbha_ecoli	rnr	hupA
P0A9P6	rnr_ecoli	dead_ecoli	rnr	deaD
P0A707	rnr_ecoli	if3_ecoli	rnr	infC
P0A6X7	rnr_ecoli	ihfa_ecoli	rnr	ihfA
P32053	rnr_ecoli	inta_ecoli	rnr	inta
P36938	rnr_ecoli	pgm_ecoli	rnr	pgm
P23830	rnr_ecoli	pss_ecoli	rnr	pssA
P0A7L0	rnr_ecoli	rl1_ecoli	rnr	rplA
P0A7L0	rnr_ecoli	rl1_ecoli	rnr	rplA

P0AA10	rnr_ecoli	rl13_ecoli	rnr	rpIM
P0AA10	rnr_ecoli	rl13_ecoli	rnr	rpIM
P0ADY3	rnr_ecoli	rl14_ecoli	rnr	rpIN
P02413	rnr_ecoli	rl15_ecoli	rnr	rpIO
P02413	rnr_ecoli	rl15_ecoli	rnr	rpIO
P0ADY7	rnr_ecoli	rl16_ecoli	rnr	rpIP
P60422	rnr_ecoli	rl2_ecoli	rnr	rpIB
P60422	rnr_ecoli	rl2_ecoli	rnr	rpIB
P0A7L3	rnr_ecoli	rl20_ecoli	rnr	rpIT
P0AG48	rnr_ecoli	rl21_ecoli	rnr	rpIU
P61175	rnr_ecoli	rl22_ecoli	rnr	rpIV
P0ADZ0	rnr_ecoli	rl23_ecoli	rnr	rpIW
P60624	rnr_ecoli	rl24_ecoli	rnr	rpIX
P60438	rnr_ecoli	rl3_ecoli	rnr	rpIC
P60438	rnr_ecoli	rl3_ecoli	rnr	rpIC
P60723	rnr_ecoli	rl4_ecoli	rnr	rpID
P60723	rnr_ecoli	rl4_ecoli	rnr	rpID
P0AG55	rnr_ecoli	rl6_ecoli	rnr	rpIF
P0A7R1	rnr_ecoli	rl9_ecoli	rnr	rpII
P0A7R1	rnr_ecoli	rl9_ecoli	rnr	rpII
P75864	rnr_ecoli	rlm1_ecoli	rnr	rlmL
P0AA39	rnr_ecoli	rluc_ecoli	rnr	rluC
P0AG67	rnr_ecoli	rs1_ecoli	rnr	rpsA
P0A7R9	rnr_ecoli	rs11_ecoli	rnr	rpsK
P0A7S9	rnr_ecoli	rs13_ecoli	rnr	rpsM
P0A7S9	rnr_ecoli	rs13_ecoli	rnr	rpsM
P0AG59	rnr_ecoli	rs14_ecoli	rnr	rpsN
P0ADZ4	rnr_ecoli	rs15_ecoli	rnr	rpsO
P0A7T3	rnr_ecoli	rs16_ecoli	rnr	rpsP
P0A7T3	rnr_ecoli	rs16_ecoli	rnr	rpsP
P0A7T7	rnr_ecoli	rs18_ecoli	rnr	rpsR
P0A7V0	rnr_ecoli	rs2_ecoli	rnr	rpsB
P0A7V0	rnr_ecoli	rs2_ecoli	rnr	rpsB
P0A7U7	rnr_ecoli	rs20_ecoli	rnr	rpsT
P68679	rnr_ecoli	rs21_ecoli	rnr	rpsU
P0A7V3	rnr_ecoli	rs3_ecoli	rnr	rpsC
P0A7V8	rnr_ecoli	rs4_ecoli	rnr	rpsD
P0A7V8	rnr_ecoli	rs4_ecoli	rnr	rpsD
P0A7W1	rnr_ecoli	rs5_ecoli	rnr	rpsE
P0A7W1	rnr_ecoli	rs5_ecoli	rnr	rpsE
P02358	rnr_ecoli	rs6_ecoli	rnr	rpsF
P02358	rnr_ecoli	rs6_ecoli	rnr	rpsF
P02359	rnr_ecoli	rs7_ecoli	rnr	rpsG
P02359	rnr_ecoli	rs7_ecoli	rnr	rpsG
P0A7W7	rnr_ecoli	rs8_ecoli	rnr	rpsH

P0A7X3	rnr_ecoli	rs9_ecoli	rnr	rpsI
P0A847	rnr_ecoli	tgt_ecoli	rnr	tgt
P0AGJ5	rnr_ecoli	yfif_ecoli	rnr	yfiF
P30871	rnr_ecoli	ygif_ecoli	rnr	ygiF

P0A9Y6	rpoa_ecoli	cspc_ecoli	rpoA	cspC
P0ACF0	rpoa_ecoli	dbha_ecoli	rpoA	hupA
P38134	rpoa_ecoli	etk_ecoli	rpoA	etk
P0A9A9	rpoa_ecoli	fur_ecoli	rpoA	fur
P0A6W5	rpoa_ecoli	grea_ecoli	rpoA	greA
P30128	rpoa_ecoli	greb_ecoli	rpoA	greB
P0AAN1	rpoa_ecoli	hybe_ecoli	rpoA	hybE
P0A9X4	rpoa_ecoli	mreb_ecoli	rpoA	mreB
P0AFF6	rpoa_ecoli	nusa_ecoli	rpoA	nusA
P0AFF6	rpoa_ecoli	nusa_ecoli	rpoA	nusA
P0AFG0	rpoa_ecoli	nusg_ecoli	rpoA	nusG
P0AFG0	rpoa_ecoli	nusg_ecoli	rpoA	nusG
P0AFG8	rpoa_ecoli	odp1_ecoli	rpoA	aceE
P06959	rpoa_ecoli	odp2_ecoli	rpoA	aceF
P23830	rpoa_ecoli	pss_ecoli	rpoA	pssA
P0A9M8	rpoa_ecoli	pta_ecoli	rpoA	pta
P60240	rpoa_ecoli	rapa_ecoli	rpoA	rapA
P60240	rpoa_ecoli	rapa_ecoli	rpoA	rapA
P60240	rpoa_ecoli	rapa_ecoli	rpoA	rapA
P0AG30	rpoa_ecoli	rho_ecoli	rpoA	rho
P0A7L0	rpoa_ecoli	rl1_ecoli	rpoA	rpIA
P0AA10	rpoa_ecoli	rl13_ecoli	rpoA	rpIM
P0AA10	rpoa_ecoli	rl13_ecoli	rpoA	rpIM
P02413	rpoa_ecoli	rl15_ecoli	rpoA	rpIO
P02413	rpoa_ecoli	rl15_ecoli	rpoA	rpIO
P0ADY7	rpoa_ecoli	rl16_ecoli	rpoA	rpIP
P0A7K6	rpoa_ecoli	rl19_ecoli	rpoA	rpIS
P60422	rpoa_ecoli	rl2_ecoli	rpoA	rpIB
P60422	rpoa_ecoli	rl2_ecoli	rpoA	rpIB
P0AG48	rpoa_ecoli	rl21_ecoli	rpoA	rpIU
P0ADZ0	rpoa_ecoli	rl23_ecoli	rpoA	rpIW
P60624	rpoa_ecoli	rl24_ecoli	rpoA	rpIX
P0A7L8	rpoa_ecoli	rl27_ecoli	rpoA	rpmA
P0A7M2	rpoa_ecoli	rl28_ecoli	rpoA	rpmB
P60438	rpoa_ecoli	rl3_ecoli	rpoA	rpIC
P0A7N9	rpoa_ecoli	rl33_ecoli	rpoA	rpmG

P60723	rpoa_ecoli	rl4_ecoli	rpoA	rpID
P60723	rpoa_ecoli	rl4_ecoli	rpoA	rpID
P62399	rpoa_ecoli	rl5_ecoli	rpoA	rpIE
P0AG55	rpoa_ecoli	rl6_ecoli	rpoA	rpIF
P0A7K2	rpoa_ecoli	rl7_ecoli	rpoA	rpIL
P0A8V2	rpoa_ecoli	rpob_ecoli	rpoA	rpoB
P0A8V2	rpoa_ecoli	rpob_ecoli	rpoA	rpoB
P0A8V2	rpoa_ecoli	rpob_ecoli	rpoA	rpoB
P0A8V2	rpoa_ecoli	rpob_ecoli	rpoA	rpoB
P0A8T7	rpoa_ecoli	rpoc_ecoli	rpoA	rpoC
P0A8T7	rpoa_ecoli	rpoc_ecoli	rpoA	rpoC
P0A8T7	rpoa_ecoli	rpoc_ecoli	rpoA	rpoC
P0A8T7	rpoa_ecoli	rpoc_ecoli	rpoA	rpoC
P00579	rpoa_ecoli	rpod_ecoli	rpoA	rpoD
P00579	rpoa_ecoli	rpod_ecoli	rpoA	rpoD
P00579	rpoa_ecoli	rpod_ecoli	rpoA	rpoD
P0A800	rpoa_ecoli	rpoz_ecoli	rpoA	rpoZ
P0A800	rpoa_ecoli	rpoz_ecoli	rpoA	rpoZ
P0AG67	rpoa_ecoli	rs1_ecoli	rpoA	rpsA
P0A7R5	rpoa_ecoli	rs10_ecoli	rpoA	rpsJ
P0A7S9	rpoa_ecoli	rs13_ecoli	rpoA	rpsM
P0AG59	rpoa_ecoli	rs14_ecoli	rpoA	rpsN
P0ADZ4	rpoa_ecoli	rs15_ecoli	rpoA	rpsO
P0A7T3	rpoa_ecoli	rs16_ecoli	rpoA	rpsP
P0A7U3	rpoa_ecoli	rs19_ecoli	rpoA	rpsS
P0A7V0	rpoa_ecoli	rs2_ecoli	rpoA	rpsB
P0A7U7	rpoa_ecoli	rs20_ecoli	rpoA	rpsT
P68679	rpoa_ecoli	rs21_ecoli	rpoA	rpsU
P0A7V3	rpoa_ecoli	rs3_ecoli	rpoA	rpsC
P0A7V8	rpoa_ecoli	rs4_ecoli	rpoA	rpsD
P0A7V8	rpoa_ecoli	rs4_ecoli	rpoA	rpsD
P0A7W1	rpoa_ecoli	rs5_ecoli	rpoA	rpsE
P0A7W1	rpoa_ecoli	rs5_ecoli	rpoA	rpsE
P0A7W1	rpoa_ecoli	rs5_ecoli	rpoA	rpsE
P02358	rpoa_ecoli	rs6_ecoli	rpoA	rpsF
P02359	rpoa_ecoli	rs7_ecoli	rpoA	rpsG
P21889	rpoa_ecoli	syd_ecoli	rpoA	aspS
P21889	rpoa_ecoli	syd_ecoli	rpoA	aspS
P27242	rpoa_ecoli	waau_ecoli	rpoA	waaU
P27836	rpoa_ecoli	wecg_ecoli	rpoA	wecG
P0ABB4	rpob_ecoli	atpb_ecoli	rpoB	atpD
P06961	rpob_ecoli	cca_ecoli	rpoB	cca
P0ABH9	rpob_ecoli	clpa_ecoli	rpoB	clpA
P0AAE0	rpob_ecoli	cyca_ecoli	rpoB	cycA

P0A9F3	rpob_ecoli	cysb_ecoli	rpob	cysB
P0ACF0	rpob_ecoli	dbha_ecoli	rpob	hupA
P0ACF0	rpob_ecoli	dbha_ecoli	rpob	hupA
P0AC41	rpob_ecoli	dhsa_ecoli	rpob	sdhA
P0CE47	rpob_ecoli	eftu1_ecoli	rpob	tufA
P76008	rpob_ecoli	ldca_ecoli	rpob	ldcA
P30958	rpob_ecoli	mfd_ecoli	rpob	mfd
P30958	rpob_ecoli	mfd_ecoli	rpob	mfd
P23367	rpob_ecoli	mutl_ecoli	rpob	mutL
P0AFF6	rpob_ecoli	nusa_ecoli	rpob	nusA
P0AFF6	rpob_ecoli	nusa_ecoli	rpob	nusA
P0AFG0	rpob_ecoli	nusg_ecoli	rpob	nusG
P0AFG0	rpob_ecoli	nusg_ecoli	rpob	nusG
P76773	rpob_ecoli	ompl_ecoli	rpob	ompl
P0AAH0	rpob_ecoli	pstb_ecoli	rpob	pstB
P60240	rpob_ecoli	rapa_ecoli	rpob	rapA
P0AG30	rpob_ecoli	rho_ecoli	rpob	rho
P24211	rpob_ecoli	rhse_ecoli	rpob	rhsE
P25539	rpob_ecoli	ribd_ecoli	rpob	ribD
P0A7J7	rpob_ecoli	rl11_ecoli	rpob	rpIK
P60422	rpob_ecoli	rl2_ecoli	rpob	rpIB
P60422	rpob_ecoli	rl2_ecoli	rpob	rpIB
P61175	rpob_ecoli	rl22_ecoli	rpob	rpIV
P0A7N9	rpob_ecoli	rl33_ecoli	rpob	rpmG
P60723	rpob_ecoli	rl4_ecoli	rpob	rpID
P0A7K2	rpob_ecoli	rl7_ecoli	rpob	rpIL
P77611	rpob_ecoli	rnfc_ecoli	rpob	rnfC
P0AGB3	rpob_ecoli	rp32_ecoli	rpob	rpoH
P24255	rpob_ecoli	rp54_ecoli	rpob	rpoN
P0A7Z4	rpob_ecoli	rpoa_ecoli	rpob	rpoA
P0A7Z4	rpob_ecoli	rpoa_ecoli	rpob	rpoA
P0A8T7	rpob_ecoli	rpoc_ecoli	rpob	rpoC
P0A8T7	rpob_ecoli	rpoc_ecoli	rpob	rpoC
P0A8T7	rpob_ecoli	rpoc_ecoli	rpob	rpoC
P00579	rpob_ecoli	rpod_ecoli	rpob	rpoD
P00579	rpob_ecoli	rpod_ecoli	rpob	rpoD
P13445	rpob_ecoli	rpos_ecoli	rpob	rpoS
P0A800	rpob_ecoli	rpoz_ecoli	rpob	rpoZ
P0A800	rpob_ecoli	rpoz_ecoli	rpob	rpoZ
P0A7R5	rpob_ecoli	rs10_ecoli	rpob	rpsJ
P0A7R5	rpob_ecoli	rs10_ecoli	rpob	rpsJ
P0AG59	rpob_ecoli	rs14_ecoli	rpob	rpsN
P0A7U7	rpob_ecoli	rs20_ecoli	rpob	rpsT
P68679	rpob_ecoli	rs21_ecoli	rpob	rpsU
P0A7V3	rpob_ecoli	rs3_ecoli	rpob	rpsC

P0A7W1	rpob_ecoli	rs5_ecoli	rpob	rpsE
P02358	rpob_ecoli	rs6_ecoli	rpob	rpsF
P10408	rpob_ecoli	seca_ecoli	rpob	secA
P38684	rpob_ecoli	torr_ecoli	rpob	torR
Q46814	rpob_ecoli	xdhd_ecoli	rpob	xdhD
P0A8E5	rpob_ecoli	yacl_ecoli	rpob	yacl
P75694	rpob_ecoli	yaho_ecoli	rpob	yahO
P0A9U1	rpob_ecoli	ybhf_ecoli	rpob	ybhF
P60872	rpob_ecoli	yide_ecoli	rpob	yidE
P63284	rpoc_ecoli	clpb_ecoli	rpoc	clpB
P22255	rpoc_ecoli	cysq_ecoli	rpoc	cysQ
P0ACF0	rpoc_ecoli	dbha_ecoli	rpoc	hupA
P0AC41	rpoc_ecoli	dhsa_ecoli	rpoc	sdhA
P0A6Y8	rpoc_ecoli	dnak_ecoli	rpoc	dnaK
P77609	rpoc_ecoli	flxa_ecoli	rpoc	flxA
P0AC23	rpoc_ecoli	foca_ecoli	rpoc	focA
P46889	rpoc_ecoli	ftsk_ecoli	rpoc	ftsK
P30128	rpoc_ecoli	greb_ecoli	rpoc	greB
P06983	rpoc_ecoli	hem3_ecoli	rpoc	hemC
P0A6Z3	rpoc_ecoli	htpg_ecoli	rpoc	htpG
P0A9M0	rpoc_ecoli	lon_ecoli	rpoc	lon
P13009	rpoc_ecoli	meth_ecoli	rpoc	metH
P0AFF6	rpoc_ecoli	nusa_ecoli	rpoc	nusA
P0AFG0	rpoc_ecoli	nusg_ecoli	rpoc	nusG
P0AFG0	rpoc_ecoli	nusg_ecoli	rpoc	nusG
P00490	rpoc_ecoli	phsm_ecoli	rpoc	malP
P17888	rpoc_ecoli	pria_ecoli	rpoc	priA
P60240	rpoc_ecoli	rapa_ecoli	rpoc	rapA
P60240	rpoc_ecoli	rapa_ecoli	rpoc	rapA
P16919	rpoc_ecoli	rbsd_ecoli	rpoc	rbsD
P0AA10	rpoc_ecoli	rl13_ecoli	rpoc	rpIM
P02413	rpoc_ecoli	rl15_ecoli	rpoc	rpIO
P0ADY7	rpoc_ecoli	rl16_ecoli	rpoc	rpIP
P0AG44	rpoc_ecoli	rl17_ecoli	rpoc	rpIQ
P0A7K6	rpoc_ecoli	rl19_ecoli	rpoc	rpIS
P60422	rpoc_ecoli	rl2_ecoli	rpoc	rpIB
P60422	rpoc_ecoli	rl2_ecoli	rpoc	rpIB
P60422	rpoc_ecoli	rl2_ecoli	rpoc	rpIB
P61175	rpoc_ecoli	rl22_ecoli	rpoc	rpIV
P60624	rpoc_ecoli	rl24_ecoli	rpoc	rpIX
P60438	rpoc_ecoli	rl3_ecoli	rpoc	rpIC
P60438	rpoc_ecoli	rl3_ecoli	rpoc	rpIC
P60723	rpoc_ecoli	rl4_ecoli	rpoc	rpID
P0A7R1	rpoc_ecoli	rl9_ecoli	rpoc	rpII

P0A7Z4	rpoc_ecoli	rpoa_ecoli	rpoc	rpoA
P0A7Z4	rpoc_ecoli	rpoa_ecoli	rpoc	rpoA
P0A7Z4	rpoc_ecoli	rpoa_ecoli	rpoc	rpoA
P0A7Z4	rpoc_ecoli	rpoa_ecoli	rpoc	rpoA
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P0A8V2	rpoc_ecoli	rpob_ecoli	rpoc	rpoB
P0A8V2	rpoc_ecoli	rpob_ecoli	rpoc	rpoB
P0A8V2	rpoc_ecoli	rpob_ecoli	rpoc	rpoB
P00579	rpoc_ecoli	rpod_ecoli	rpoc	rpoD
P00579	rpoc_ecoli	rpod_ecoli	rpoc	rpoD
P00579	rpoc_ecoli	rpod_ecoli	rpoc	rpoD
P00579	rpoc_ecoli	rpod_ecoli	rpoc	rpoD
P0A800	rpoc_ecoli	rpoz_ecoli	rpoc	rpoZ
P0A800	rpoc_ecoli	rpoz_ecoli	rpoc	rpoZ
P0AG67	rpoc_ecoli	rs1_ecoli	rpoc	rpsA
P0A7R5	rpoc_ecoli	rs10_ecoli	rpoc	rpsJ
P0A7S9	rpoc_ecoli	rs13_ecoli	rpoc	rpsM
P0A7T3	rpoc_ecoli	rs16_ecoli	rpoc	rpsP
P0A7V3	rpoc_ecoli	rs3_ecoli	rpoc	rpsC
P0A7V8	rpoc_ecoli	rs4_ecoli	rpoc	rpsD
P0A7V8	rpoc_ecoli	rs4_ecoli	rpoc	rpsD
P0A7W1	rpoc_ecoli	rs5_ecoli	rpoc	rpsE
P0A7W1	rpoc_ecoli	rs5_ecoli	rpoc	rpsE
P02359	rpoc_ecoli	rs7_ecoli	rpoc	rpsG
P02359	rpoc_ecoli	rs7_ecoli	rpoc	rpsG
P77324	rpoc_ecoli	yags_ecoli	rpoc	yagS
P75989	rpoc_ecoli	ycge_ecoli	rpoc	ycgE
Q47138	rpoc_ecoli	ydfc_ecoli	rpoc	ydfE
P0AA49	rpoc_ecoli	yfdv_ecoli	rpoc	yfdV
Q46906	rpoc_ecoli	ygcp_ecoli	rpoc	ygcP
P32689	rpoc_ecoli	yjbh_ecoli	rpoc	yjbH
P77759	rpoc_ecoli	ylbh_ecoli	rpoc	ylbH
P0ABD5	rpod_ecoli	acca_ecoli	rpod	accA
P0A901	rpod_ecoli	blc_ecoli	rpod	blc
P0CE47	rpod_ecoli	eftu1_ecoli	rpod	tufA
P37639	rpod_ecoli	gadx_ecoli	rpod	gadX
P63228	rpod_ecoli	gmhb_ecoli	rpod	gmhB
P0A705	rpod_ecoli	if2_ecoli	rpod	infB
P0A705	rpod_ecoli	if2_ecoli	rpod	infB
P77188	rpod_ecoli	matc_ecoli	rpod	matC
P30958	rpod_ecoli	mfd_ecoli	rpod	mfd
P18843	rpod_ecoli	nade_ecoli	rpod	nadE
P0AFF6	rpod_ecoli	nusa_ecoli	rpod	nusA

P0AFF6	rpod_ecoli	nusa_ecoli	rpoD	nusA
P37095	rpod_ecoli	pepb_ecoli	rpoD	pepB
P0AFK9	rpod_ecoli	potd_ecoli	rpoD	potD
P0ABS5	rpod_ecoli	prim_ecoli	rpoD	dnaG
P0AG30	rpod_ecoli	rho_ecoli	rpoD	rho
P0AG30	rpod_ecoli	rho_ecoli	rpoD	rho
P0A7L0	rpod_ecoli	rl1_ecoli	rpoD	rplA
P0A7L0	rpod_ecoli	rl1_ecoli	rpoD	rplA
P02413	rpod_ecoli	rl15_ecoli	rpoD	rplO
P0A7K6	rpod_ecoli	rl19_ecoli	rpoD	rplS
P60422	rpod_ecoli	rl2_ecoli	rpoD	rplB
P0AG48	rpod_ecoli	rl21_ecoli	rpoD	rplU
P61175	rpod_ecoli	rl22_ecoli	rpoD	rplV
P0A7M2	rpod_ecoli	rl28_ecoli	rpoD	rpmB
P60723	rpod_ecoli	rl4_ecoli	rpoD	rplD
P60723	rpod_ecoli	rl4_ecoli	rpoD	rplD
P60723	rpod_ecoli	rl4_ecoli	rpoD	rplD
P62399	rpod_ecoli	rl5_ecoli	rpoD	rplE
P0A7K2	rpod_ecoli	rl7_ecoli	rpoD	rplL
P0A7Z4	rpod_ecoli	rpoa_ecoli	rpoD	rpoA
P0A7Z4	rpod_ecoli	rpoa_ecoli	rpoD	rpoA
P0A8V2	rpod_ecoli	rpob_ecoli	rpoD	rpoB
P0A8V2	rpod_ecoli	rpob_ecoli	rpoD	rpoB
P0A8V2	rpod_ecoli	rpob_ecoli	rpoD	rpoB
P0A8T7	rpod_ecoli	rpoc_ecoli	rpoD	rpoC
P0A8T7	rpod_ecoli	rpoc_ecoli	rpoD	rpoC
P0A8T7	rpod_ecoli	rpoc_ecoli	rpoD	rpoC
P0A8T7	rpod_ecoli	rpoc_ecoli	rpoD	rpoC
P0A800	rpod_ecoli	rpoz_ecoli	rpoD	rpoZ
P0A800	rpod_ecoli	rpoz_ecoli	rpoD	rpoZ
P0AG67	rpod_ecoli	rs1_ecoli	rpoD	rpsA
P0A7V0	rpod_ecoli	rs2_ecoli	rpoD	rpsB
P0A7V0	rpod_ecoli	rs2_ecoli	rpoD	rpsB
P0A7V3	rpod_ecoli	rs3_ecoli	rpoD	rpsC
P0A7V8	rpod_ecoli	rs4_ecoli	rpoD	rpsD
P0A7W1	rpod_ecoli	rs5_ecoli	rpoD	rpsE
P02358	rpod_ecoli	rs6_ecoli	rpoD	rpsF
P02359	rpod_ecoli	rs7_ecoli	rpoD	rpsG
P02359	rpod_ecoli	rs7_ecoli	rpoD	rpsG
P0AFX4	rpod_ecoli	rsd_ecoli	rpoD	rsd
P0A8M6	rpod_ecoli	yeex_ecoli	rpoD	yeeX
P76464	rpod_ecoli	yfas_ecoli	rpoD	yfaS
P77247	rpod_ecoli	ynic_ecoli	rpoD	yniC
P0A6F5	rpph_ecoli	ch60_ecoli	rppH	groL

P0A6K1	rpph_ecoli	dapf_ecoli	rppH	dapF
P0A6K1	rpph_ecoli	dapf_ecoli	rppH	dapF
P0ACF0	rpph_ecoli	dbha_ecoli	rppH	hupA
P0A9P6	rpph_ecoli	dead_ecoli	rppH	deaD
P0A7L0	rpph_ecoli	rl1_ecoli	rppH	rplA
P0A7L0	rpph_ecoli	rl1_ecoli	rppH	rplA
P0A7J3	rpph_ecoli	rl10_ecoli	rppH	rplJ
P0AA10	rpph_ecoli	rl13_ecoli	rppH	rplM
P0AA10	rpph_ecoli	rl13_ecoli	rppH	rplM
P0ADY3	rpph_ecoli	rl14_ecoli	rppH	rplN
P02413	rpph_ecoli	rl15_ecoli	rppH	rplO
P02413	rpph_ecoli	rl15_ecoli	rppH	rplO
P0ADY7	rpph_ecoli	rl16_ecoli	rppH	rplP
P0AG44	rpph_ecoli	rl17_ecoli	rppH	rplQ
P0AG44	rpph_ecoli	rl17_ecoli	rppH	rplQ
P0C018	rpph_ecoli	rl18_ecoli	rppH	rplR
P0C018	rpph_ecoli	rl18_ecoli	rppH	rplR
P0A7K6	rpph_ecoli	rl19_ecoli	rppH	rplS
P0A7K6	rpph_ecoli	rl19_ecoli	rppH	rplS
P60422	rpph_ecoli	rl2_ecoli	rppH	rplB
P60422	rpph_ecoli	rl2_ecoli	rppH	rplB
P60422	rpph_ecoli	rl2_ecoli	rppH	rplB
P0A7L3	rpph_ecoli	rl20_ecoli	rppH	rplT
P0AG48	rpph_ecoli	rl21_ecoli	rppH	rplU
P61175	rpph_ecoli	rl22_ecoli	rppH	rplV
P61175	rpph_ecoli	rl22_ecoli	rppH	rplV
P60624	rpph_ecoli	rl24_ecoli	rppH	rplX
P68919	rpph_ecoli	rl25_ecoli	rppH	rplY
P0A7M2	rpph_ecoli	rl28_ecoli	rppH	rpmB
P60438	rpph_ecoli	rl3_ecoli	rppH	rplC
P60438	rpph_ecoli	rl3_ecoli	rppH	rplC
P60438	rpph_ecoli	rl3_ecoli	rppH	rplC
P60723	rpph_ecoli	rl4_ecoli	rppH	rplD
P60723	rpph_ecoli	rl4_ecoli	rppH	rplD
P62399	rpph_ecoli	rl5_ecoli	rppH	rplE
P0AG55	rpph_ecoli	rl6_ecoli	rppH	rplF
P0AG55	rpph_ecoli	rl6_ecoli	rppH	rplF
P0A7R1	rpph_ecoli	rl9_ecoli	rppH	rplI
P0A7R1	rpph_ecoli	rl9_ecoli	rppH	rplI
P75864	rpph_ecoli	rlml_ecoli	rppH	rlmL
P37765	rpph_ecoli	rlub_ecoli	rppH	rluB
P0AA39	rpph_ecoli	rluc_ecoli	rppH	rluC
P21499	rpph_ecoli	rnrc_ecoli	rppH	rnrc
P0AG67	rpph_ecoli	rs1_ecoli	rppH	rpsA
P0AG67	rpph_ecoli	rs1_ecoli	rppH	rpsA

P0A7S9	rpph_ecoli	rs13_ecoli	rppH	rpsM
P0A7S9	rpph_ecoli	rs13_ecoli	rppH	rpsM
P0A7T7	rpph_ecoli	rs18_ecoli	rppH	rpsR
P0A7U3	rpph_ecoli	rs19_ecoli	rppH	rpsS
P0A7V0	rpph_ecoli	rs2_ecoli	rppH	rpsB
P0A7V0	rpph_ecoli	rs2_ecoli	rppH	rpsB
P0A7U7	rpph_ecoli	rs20_ecoli	rppH	rpsT
P0A7V3	rpph_ecoli	rs3_ecoli	rppH	rpsC
P0A7V8	rpph_ecoli	rs4_ecoli	rppH	rpsD
P0A7V8	rpph_ecoli	rs4_ecoli	rppH	rpsD
P0A7W1	rpph_ecoli	rs5_ecoli	rppH	rpsE
P0A7W1	rpph_ecoli	rs5_ecoli	rppH	rpsE
P02358	rpph_ecoli	rs6_ecoli	rppH	rpsF
P02359	rpph_ecoli	rs7_ecoli	rppH	rpsG
P02359	rpph_ecoli	rs7_ecoli	rppH	rpsG
P0A7X3	rpph_ecoli	rs9_ecoli	rppH	rpsI
P46850	rpph_ecoli	rtcb_ecoli	rppH	rtcB
P0A9K9	rpph_ecoli	slyd_ecoli	rppH	slyD
P0AG24	rpph_ecoli	spot_ecoli	rppH	spoT
P21507	rpph_ecoli	srmb_ecoli	rppH	srmB
P23841	rpph_ecoli	xapr_ecoli	rppH	xapR
P0A8E7	rpph_ecoli	yajq_ecoli	rppH	yajQ
P0ACM2	rpph_ecoli	ydfh_ecoli	rppH	ydfH
P76154	rpph_ecoli	ydfk_ecoli	rppH	ydfK
P0AGJ5	rpph_ecoli	yfif_ecoli	rppH	yfiF
P0AGJ5	rpph_ecoli	yfif_ecoli	rppH	yfiF
P76073	rpph_ecoli	ynae_ecoli	rppH	ynaE
P35340	rrea_ecoli	ahpf_ecoli	rraA	ahpF
P37028	rrea_ecoli	btuf_ecoli	rraA	btuF
P0A6B7	rrea_ecoli	iscs_ecoli	rraA	iscS
P63386	rrea_ecoli	mlaf_ecoli	rraA	mlaF
P33345	rrea_ecoli	molr_ecoli	rraA	yehH
P0AG44	rrea_ecoli	rl17_ecoli	rraA	rplQ
P76403	rrea_ecoli	yegq_ecoli	rraA	yegQ
P33343	rrea_ecoli	yehd_ecoli	rraA	yehD
P45568	rrf_ecoli	dxr_ecoli	frr	dxr
P75905	rrf_ecoli	pgac_ecoli	frr	pgaC
P77718	rrf_ecoli	thii_ecoli	frr	thiI
P36548	rs1_ecoli	amia_ecoli	rpsA	amiA
P77188	rs1_ecoli	matc_ecoli	rpsA	matC
P0A738	rs1_ecoli	moac_ecoli	rpsA	moaC
P76773	rs1_ecoli	ompl_ecoli	rpsA	ompL

P0A9K9	rs1_ecoli	slyd_ecoli	rpsA	slyD
P76512	rs1_ecoli	yfdp_ecoli	rpsA	yfdP
P0A780	rs10_ecoli	nusb_ecoli	rpsJ	nusB
P0A780	rs10_ecoli	nusb_ecoli	rpsJ	nusB
P0A780	rs10_ecoli	nusb_ecoli	rpsJ	nusB
P0A986	rs12_ecoli	cspl_ecoli	rpsL	cspl
P0ACF8	rs12_ecoli	hns_ecoli	rpsL	hns
P0AB43	rs12_ecoli	ycgl_ecoli	rpsL	ycgL
P46125	rs12_ecoli	yedi_ecoli	rpsL	yedI
P76321	rs12_ecoli	yedn_ecoli	rpsL	yedN
P75989	rs13_ecoli	ycge_ecoli	rpsM	ycgE
P65643	rs14_ecoli	eutt_ecoli	rpsN	eutT
P0C077	rs14_ecoli	rele_ecoli	rpsN	reLE
P0AD53	rs14_ecoli	ygac_ecoli	rpsN	ygaC
P39295	rs14_ecoli	yjfm_ecoli	rpsN	yjFM
P36548	rs15_ecoli	amia_ecoli	rpsO	amiA
P69228	rs15_ecoli	baer_ecoli	rpsO	baeR
P33345	rs15_ecoli	molr_ecoli	rpsO	yehH
P18843	rs15_ecoli	nade_ecoli	rpsO	nadE
P39306	rs15_ecoli	ulaf_ecoli	rpsO	ulaF
P75989	rs15_ecoli	ycge_ecoli	rpsO	ycgE
P06611	rs16_ecoli	btud_ecoli	rpsP	btuD
P0A6Y8	rs16_ecoli	dnak_ecoli	rpsP	dnaK
P77188	rs16_ecoli	matc_ecoli	rpsP	matC
P18843	rs16_ecoli	nade_ecoli	rpsP	nadE
Q47157	rs18_ecoli	yafo_ecoli	rpsR	yafO
P08245	rs18_ecoli	ycih_ecoli	rpsR	yciH
P0ABZ1	rs19_ecoli	flig_ecoli	rpsS	fliG
P32662	rs19_ecoli	gph_ecoli	rpsS	gph
P0AGB6	rs19_ecoli	rpoe_ecoli	rpsS	rpoE
P0AC41	rs2_ecoli	dhsa_ecoli	rpsB	sdhA
P0A6Z3	rs2_ecoli	htpg_ecoli	rpsB	htpG

P15977	rs2_ecoli	malq_ecoli	rpsB	malQ
P76073	rs3_ecoli	ynae_ecoli	rpsC	ynaE
P23882	rs4_ecoli	fmt_ecoli	rpsD	fmt
P0AFG0	rs4_ecoli	nusg_ecoli	rpsD	nusG
P0A8I8	rs4_ecoli	rlmh_ecoli	rpsD	rlmH
P75869	rs4_ecoli	sxy_ecoli	rpsD	sxy
Q47157	rs4_ecoli	yafo_ecoli	rpsD	yafO
P30176	rs4_ecoli	ybia_ecoli	rpsD	ybiA
P75989	rs4_ecoli	ycge_ecoli	rpsD	ycgE
P76154	rs4_ecoli	ydfk_ecoli	rpsD	ydfK
P64574	rs4_ecoli	yghw_ecoli	rpsD	yghW
P76073	rs4_ecoli	ynae_ecoli	rpsD	ynaE
P0AES4	rs5_ecoli	gyra_ecoli	rpsE	gyrA
P0AES6	rs5_ecoli	gyrb_ecoli	rpsE	gyrB
P38489	rs5_ecoli	nfnb_ecoli	rpsE	nfnB
P0A8D0	rs5_ecoli	nrdR_ecoli	rpsE	nrdR
P0C0U4	rs5_ecoli	rimk_ecoli	rpsE	rimK
P76154	rs5_ecoli	ydfk_ecoli	rpsE	ydfK
P76073	rs5_ecoli	ynae_ecoli	rpsE	ynaE
P33368	rs5_ecoli	yohf_ecoli	rpsE	yohF
P0A6Y8	rs6_ecoli	dnak_ecoli	rpsF	dnaK
P0A6U3	rs6_ecoli	mnmg_ecoli	rpsF	mnmgG
P0A8M3	rs6_ecoli	syt_ecoli	rpsF	thrS
P69820	rs6_ecoli	ulac_ecoli	rpsF	ulaC
P0A8M6	rs6_ecoli	yeex_ecoli	rpsF	yeeX
P33644	rs6_ecoli	yfiH_ecoli	rpsF	yfiH
P0A850	rs7_ecoli	tig_ecoli	rpsG	tig
P0A8I8	rs8_ecoli	rlmh_ecoli	rpsH	rlmH
P09184	rs8_ecoli	vsr_ecoli	rpsH	vsr
P0A8I8	rs9_ecoli	rlmh_ecoli	rpsI	rlmH
P08245	rs9_ecoli	yciH_ecoli	rpsI	yciH
P64574	rs9_ecoli	yghw_ecoli	rpsI	yghW
P0A6F5	rsma_ecoli	ch60_ecoli	rsmA	groL

P04079	rsma_ecoli	guaa_ecoli	rsmA	guaA
P08373	rsma_ecoli	murb_ecoli	rsmA	murB
P16682	rsmb_ecoli	phnd_ecoli	rsmB	phnD
P0AG44	rsmb_ecoli	rl17_ecoli	rsmB	rplQ
P60422	rsmb_ecoli	rl2_ecoli	rsmB	rplB
P60438	rsmb_ecoli	rl3_ecoli	rsmB	rplC
P60723	rsmb_ecoli	rl4_ecoli	rsmB	rplD
P0A7V8	rsmb_ecoli	rs4_ecoli	rsmB	rpsD
P02359	rsmb_ecoli	rs7_ecoli	rsmB	rpsG
P0A7X3	rsmb_ecoli	rs9_ecoli	rsmB	rpsI
P06612	rsmb_ecoli	top1_ecoli	rsmB	topA
P76154	rsmb_ecoli	ydfk_ecoli	rsmB	ydfK
P75804	rsmb_ecoli	ylii_ecoli	rsmB	ylil
P76073	rsmb_ecoli	ynae_ecoli	rsmB	ynaE
P0ACD8	rsmc_ecoli	mbhl_ecoli	rsmC	hyaB
P18843	rsmc_ecoli	nade_ecoli	rsmC	nadE
P60422	rsmc_ecoli	rl2_ecoli	rsmC	rplB
P60723	rsmc_ecoli	rl4_ecoli	rsmC	rplD
P0A7S9	rsmc_ecoli	rs13_ecoli	rsmC	rpsM
P0A7V3	rsmc_ecoli	rs3_ecoli	rsmC	rpsC
P0A7V8	rsmc_ecoli	rs4_ecoli	rsmC	rpsD
P02359	rsmc_ecoli	rs7_ecoli	rsmC	rpsG
P0A7X3	rsmc_ecoli	rs9_ecoli	rsmC	rpsI
P0A8F4	rsmc_ecoli	urk_ecoli	rsmC	udk
P75989	rsmc_ecoli	ycge_ecoli	rsmC	ycgE
P08245	rsmc_ecoli	ycih_ecoli	rsmC	yciH
P0A6Y8	rsmd_ecoli	dnak_ecoli	rsmD	dnaK
P0CE47	rsmd_ecoli	eftu1_ecoli	rsmD	tufA
P0ACL7	rsmd_ecoli	lldr_ecoli	rsmD	lldR
P0A915	rsmd_ecoli	ompw_ecoli	rsmD	ompW
P60422	rsmd_ecoli	rl2_ecoli	rsmD	rplB
P0AG44	rsme_ecoli	rl17_ecoli	rsmE	rplQ
P0A7V8	rsme_ecoli	rs4_ecoli	rsmE	rpsD
P0A9K9	rsme_ecoli	slyd_ecoli	rsmE	slyD
P75792	rsme_ecoli	suph_ecoli	rsmE	supH
P0A717	rsmh_ecoli	kprs_ecoli	rsmH	prs
P60438	rsmh_ecoli	rl3_ecoli	rsmH	rplC
P0A7K2	rsmh_ecoli	rl7_ecoli	rsmH	rplL

P0A7R5	rsmh_ecoli	rs10_ecoli	rsmH	rpsJ
P06959	rsmi_ecoli	odp2_ecoli	rsmI	aceF
P0A7V8	rsmi_ecoli	rs4_ecoli	rsmI	rpsD
P45545	rsmi_ecoli	yhfs_ecoli	rsmI	yhfS
P0A6F5	rsta_ecoli	ch60_ecoli	rstA	groL
P0AC55	rsta_ecoli	glnk_ecoli	rstA	glnK
P31658	rsta_ecoli	hcha_ecoli	rstA	hchA
P0A717	rsta_ecoli	kprs_ecoli	rstA	prs
P36999	rsta_ecoli	rlma_ecoli	rstA	rlmA
P39177	rsta_ecoli	uspg_ecoli	rstA	uspG
P0AD35	rsta_ecoli	yfdo_ecoli	rstA	yfdO
P36677	rsta_ecoli	yhdn_ecoli	rstA	yhdN
P75977	rsta_ecoli	ymfm_ecoli	rstA	ymfM
P30128	rsua_ecoli	greb_ecoli	rsuA	greB
P0A7R5	rsua_ecoli	rs10_ecoli	rsuA	rpsJ
P0A7R5	rsua_ecoli	rs10_ecoli	rsuA	rpsJ
P0A7S9	rsua_ecoli	rs13_ecoli	rsuA	rpsM
P0A7T3	rsua_ecoli	rs16_ecoli	rsuA	rpsP
P0A7V0	rsua_ecoli	rs2_ecoli	rsuA	rpsB
P0A7V8	rsua_ecoli	rs4_ecoli	rsuA	rpsD
P0A7X3	rsua_ecoli	rs9_ecoli	rsuA	rpsI
P0A8R7	rsua_ecoli	ycjf_ecoli	rsuA	ycjF
P65807	rsua_ecoli	ygey_ecoli	rsuA	ygeY
P05052	rumb_ecoli	appy_ecoli	rumB	appY
P0A6F5	rumb_ecoli	ch60_ecoli	rumB	groL
P18843	rumb_ecoli	nade_ecoli	rumB	nadE
P09377	rumb_ecoli	rhas_ecoli	rumB	rhaS
P0A7L0	rumb_ecoli	rl1_ecoli	rumB	rplA
P60422	rumb_ecoli	rl2_ecoli	rumB	rplB
P08245	rumb_ecoli	ycih_ecoli	rumB	yciH
P24251	ruva_ecoli	crl_ecoli	ruvA	crl
P18843	ruva_ecoli	nade_ecoli	ruvA	nadE
P0ADZ0	ruva_ecoli	rl23_ecoli	ruvA	rplW
P68398	ruva_ecoli	tada_ecoli	ruvA	tadA
P0A843	ruva_ecoli	tate_ecoli	ruvA	tatE
P0A6F5	sapd_ecoli	ch60_ecoli	sapD	groL
P77779	sapd_ecoli	ybfo_ecoli	sapD	ybfO

P0AC53	sdhl_ecoli	g6pd_ecoli	sdaA	zwf
P77243	sdhl_ecoli	prpd_ecoli	sdaA	prpD
P77649	sdhl_ecoli	ydiu_ecoli	sdaA	ydiU
P0A901	sdhm_ecoli	blc_ecoli	sdaB	blc
P31119	seca_ecoli	aas_ecoli	secA	aas
P12996	seca_ecoli	biob_ecoli	secA	bioB
P0A6Y8	seca_ecoli	dnak_ecoli	secA	dnaK
POCE47	seca_ecoli	eftu1_ecoli	secA	tufA
POCE47	seca_ecoli	eftu1_ecoli	secA	tufA
POC8J8	seca_ecoli	gatz_ecoli	secA	gatZ
P0A707	seca_ecoli	if3_ecoli	secA	infC
P0A817	seca_ecoli	metk_ecoli	secA	metK
P0AEZ3	seca_ecoli	mind_ecoli	secA	minD
P09348	seca_ecoli	mota_ecoli	secA	motA
P0A9X4	seca_ecoli	mreb_ecoli	secA	mreB
Q46877	seca_ecoli	norv_ecoli	secA	norV
Q9F560	seca_ecoli	q9f560_ecolx	secA	ycfB
P0AG30	seca_ecoli	rho_ecoli	secA	rho
P0A7J7	seca_ecoli	rl11_ecoli	secA	rpIK
P61175	seca_ecoli	rl22_ecoli	secA	rpIV
P60723	seca_ecoli	rl4_ecoli	secA	rpID
P0A7K2	seca_ecoli	rl7_ecoli	secA	rpIL
P0A7V0	seca_ecoli	rs2_ecoli	secA	rpsB
P10408	seca_ecoli	seca_ecoli	secA	secA
P0AG86	seca_ecoli	secb_ecoli	secA	secB
P0AG86	seca_ecoli	secb_ecoli	secA	secB
P0AGA2	seca_ecoli	secy_ecoli	secA	secY
P75791	seca_ecoli	ybiu_ecoli	secA	ybiU
P75838	seca_ecoli	ycao_ecoli	secA	ycaO
P77804	seca_ecoli	ydga_ecoli	secA	ydgA
P39396	seca_ecoli	yjiy_ecoli	secA	yjiY
P0AE88	secb_ecoli	cpxr_ecoli	secB	cpxR
P0A9M0	secb_ecoli	lon_ecoli	secB	lon
P0A9M0	secb_ecoli	lon_ecoli	secB	lon
P0AF06	secb_ecoli	motb_ecoli	secB	motB
P0A772	secb_ecoli	nrld_ecoli	secB	nrld
P75697	secb_ecoli	p75698_ecoli	secB	-
P0A7V3	secb_ecoli	rs3_ecoli	secB	rpsC
P10408	secb_ecoli	seca_ecoli	secB	secA
P75745	secb_ecoli	ybgk_ecoli	secB	ybgK

P08622	selb_ecoli	dnaj_ecoli	selB	dnaJ
P08622	selb_ecoli	dnaj_ecoli	selB	dnaJ
P0AFG8	selb_ecoli	odp1_ecoli	selB	aceE
P06959	selb_ecoli	odp2_ecoli	selB	aceF
P76773	selb_ecoli	ompl_ecoli	selB	ompL
P0A9M8	selb_ecoli	pta_ecoli	selB	pta
P0AG30	selb_ecoli	rho_ecoli	selB	rho
P0A7L0	selb_ecoli	rl1_ecoli	selB	rplA
P0AA10	selb_ecoli	rl13_ecoli	selB	rplM
P02413	selb_ecoli	rl15_ecoli	selB	rplO
P0AG44	selb_ecoli	rl17_ecoli	selB	rplQ
P0A7K6	selb_ecoli	rl19_ecoli	selB	rplS
P60422	selb_ecoli	rl2_ecoli	selB	rplB
P60422	selb_ecoli	rl2_ecoli	selB	rplB
P0A7L3	selb_ecoli	rl20_ecoli	selB	rplT
P0AG48	selb_ecoli	rl21_ecoli	selB	rplU
P61175	selb_ecoli	rl22_ecoli	selB	rplV
P60624	selb_ecoli	rl24_ecoli	selB	rplX
P68919	selb_ecoli	rl25_ecoli	selB	rplY
P0A7M2	selb_ecoli	rl28_ecoli	selB	rpmB
P60438	selb_ecoli	rl3_ecoli	selB	rplC
P60438	selb_ecoli	rl3_ecoli	selB	rplC
P60723	selb_ecoli	rl4_ecoli	selB	rplD
P0A7K2	selb_ecoli	rl7_ecoli	selB	rplL
P0A7R1	selb_ecoli	rl9_ecoli	selB	rplI
P37765	selb_ecoli	rlub_ecoli	selB	rluB
P21499	selb_ecoli	rnrc_ecoli	selB	rnrc
P0AG67	selb_ecoli	rs1_ecoli	selB	rpsA
P0A7U7	selb_ecoli	rs20_ecoli	selB	rpsT
P0A7V3	selb_ecoli	rs3_ecoli	selB	rpsC
P0A7V8	selb_ecoli	rs4_ecoli	selB	rpsD
P0A7V8	selb_ecoli	rs4_ecoli	selB	rpsD
P0A7W1	selb_ecoli	rs5_ecoli	selB	rpsE
P02358	selb_ecoli	rs6_ecoli	selB	rpsF
P02359	selb_ecoli	rs7_ecoli	selB	rpsG
P0A7X3	selb_ecoli	rs9_ecoli	selB	rpsI
P21507	selb_ecoli	srmB_ecoli	selB	srmB
P21507	selb_ecoli	srmB_ecoli	selB	srmB
P0AGJ5	selb_ecoli	yfiF_ecoli	selB	yfiF
P0AGJ5	selb_ecoli	yfiF_ecoli	selB	yfiF
P12999	seld_ecoli	bioc_ecoli	seld	bioC
P30015	seld_ecoli	lhr_ecoli	seld	lhr
P22523	seld_ecoli	mukB_ecoli	seld	mukB
P18843	seld_ecoli	nade_ecoli	seld	nade

P60422	seld_ecoli	rl2_ecoli	seld	rplB
P0A8T7	seld_ecoli	rpoc_ecoli	seld	rpoC
P0A7X3	seld_ecoli	rs9_ecoli	seld	rpsI
P28722	seld_ecoli	yhca_ecoli	seld	yhca
P04152	seqa_ecoli	umuc_ecoli	seqA	umuC
P18843	serb_ecoli	nade_ecoli	serB	nadE
P0A6F5	sgrr_ecoli	ch60_ecoli	sgrR	groL
P14407	sgrr_ecoli	fumb_ecoli	sgrR	fumB
P0AA10	skp_ecoli	rl13_ecoli	skp	rplM
P02413	skp_ecoli	rl15_ecoli	skp	rplO
P0A7K6	skp_ecoli	rl19_ecoli	skp	rplS
P0AG48	skp_ecoli	rl21_ecoli	skp	rplU
P61175	skp_ecoli	rl22_ecoli	skp	rplV
P60624	skp_ecoli	rl24_ecoli	skp	rplX
P62399	skp_ecoli	rl5_ecoli	skp	rplE
P0A7R1	skp_ecoli	rl9_ecoli	skp	rplI
P21499	skp_ecoli	rnr_ecoli	skp	rnr
P0A7S9	skp_ecoli	rs13_ecoli	skp	rpsM
P0AG24	skp_ecoli	spot_ecoli	skp	spoT
P00961	skp_ecoli	sygb_ecoli	skp	glyS
P60906	skp_ecoli	syh_ecoli	skp	hisS
P37194	slp_ecoli	slp_ecoli	slp	slp
P17444	slyd_ecoli	beta_ecoli	slyD	betA
P0ACF0	slyd_ecoli	dbha_ecoli	slyD	hupA
P0ACF4	slyd_ecoli	dbhb_ecoli	slyD	hupB
P04949	slyd_ecoli	flic_ecoli	slyD	fliC
P0AAG3	slyd_ecoli	gltl_ecoli	slyD	gltL
P68066	slyd_ecoli	grca_ecoli	slyD	grcA
P0AAN3	slyd_ecoli	hypb_ecoli	slyD	hypB

P0AAN3	slyd_ecoli	hypb_ecoli	slyD	hypB
P19767	slyd_ecoli	insa7_ecoli	slyD	insa7
P03023	slyd_ecoli	laci_ecoli	slyD	lacI
P43337	slyd_ecoli	nudl_ecoli	slyD	nudL
P0AFG0	slyd_ecoli	nusg_ecoli	slyD	nusG
P0ADY3	slyd_ecoli	rl14_ecoli	slyD	rpIN
P02413	slyd_ecoli	rl15_ecoli	slyD	rpIO
P0ADZ0	slyd_ecoli	rl23_ecoli	slyD	rpIW
P0A7L8	slyd_ecoli	rl27_ecoli	slyD	rpmA
P62399	slyd_ecoli	rl5_ecoli	slyD	rpIE
P0AG55	slyd_ecoli	rl6_ecoli	slyD	rpIF
P0A7V8	slyd_ecoli	rs4_ecoli	slyD	rpsD
P0A7W1	slyd_ecoli	rs5_ecoli	slyD	rpsE
P0A7X3	slyd_ecoli	rs9_ecoli	slyD	rpsI
P0AAH4	slyd_ecoli	sapd_ecoli	slyD	sapD
P0A8L1	slyd_ecoli	sys_ecoli	slyD	serS
P39306	slyd_ecoli	ulaf_ecoli	slyD	ulaF
P75988	slyd_ecoli	ycgx_ecoli	slyD	ycgX
P31130	slyd_ecoli	ydei_ecoli	slyD	ydeI
P45769	slyd_ecoli	yhdz_ecoli	slyD	yhdZ
P37655	slyd_ecoli	yhjQ_ecoli	slyD	yhjQ
P0ACZ4	sodf_ecoli	evga_ecoli	sodB	evgA
P0A912	sodf_ecoli	pal_ecoli	sodB	pal
P60422	sodf_ecoli	rl2_ecoli	sodB	rpIB
P0A9K9	sodf_ecoli	slyd_ecoli	sodB	slyD
P37338	sodf_ecoli	ygae_ecoli	sodB	ygaE
P0A6B4	sodm_ecoli	alr1_ecoli	sodA	alr
P76459	sodm_ecoli	atoa_ecoli	sodA	atoA
P0A996	sodm_ecoli	glpc_ecoli	sodA	glpC
P37326	sodm_ecoli	ints_ecoli	sodA	intS
P25888	sodm_ecoli	rhle_ecoli	sodA	rhIE
P23839	sodm_ecoli	yicc_ecoli	sodA	yicC
P18843	spea_ecoli	nade_ecoli	speA	nadE
P23862	spea_ecoli	pric_ecoli	speA	priC
P09377	spea_ecoli	rhas_ecoli	speA	rhaS
P0AG44	spea_ecoli	rl17_ecoli	speA	rpIQ
P60422	spea_ecoli	rl2_ecoli	speA	rpIB
P0A8T7	spea_ecoli	rpoc_ecoli	speA	rpoC
P0A7V0	spea_ecoli	rs2_ecoli	speA	rpsB
P0A7V3	spea_ecoli	rs3_ecoli	speA	rpsC

P0A7V8	spea_ecoli	rs4_ecoli	speA	rpsD
P02359	spea_ecoli	rs7_ecoli	speA	rpsG
P0AAP5	spea_ecoli	yaiv_ecoli	speA	yaiV
P77561	spea_ecoli	ydep_ecoli	speA	ydeP
P36683	sped_ecoli	acon2_ecoli	speD	acnB
P0A6Y8	sped_ecoli	dnak_ecoli	speD	dnaK
P0A6S5	sped_ecoli	ftsb_ecoli	speD	ftsB
P0A6A8	spot_ecoli	acp_ecoli	spoT	acpP
P0ACF0	spot_ecoli	dbha_ecoli	spoT	hupA
P0A9P6	spot_ecoli	dead_ecoli	spoT	deaD
P0CE47	spot_ecoli	eftu1_ecoli	spoT	tufA
P43329	spot_ecoli	hrpa_ecoli	spoT	hrpA
P22523	spot_ecoli	mukb_ecoli	spoT	mukB
P0AA10	spot_ecoli	rl13_ecoli	spoT	rplM
P02413	spot_ecoli	rl15_ecoli	spoT	rplO
P0AG44	spot_ecoli	rl17_ecoli	spoT	rplQ
P0C018	spot_ecoli	rl18_ecoli	spoT	rplR
P0A7K6	spot_ecoli	rl19_ecoli	spoT	rplS
P60422	spot_ecoli	rl2_ecoli	spoT	rplB
P60422	spot_ecoli	rl2_ecoli	spoT	rplB
P0AG48	spot_ecoli	rl21_ecoli	spoT	rplU
P61175	spot_ecoli	rl22_ecoli	spoT	rplV
P61175	spot_ecoli	rl22_ecoli	spoT	rplV
P60624	spot_ecoli	rl24_ecoli	spoT	rplX
P0A7M2	spot_ecoli	rl28_ecoli	spoT	rpmB
P60438	spot_ecoli	rl3_ecoli	spoT	rplC
P60438	spot_ecoli	rl3_ecoli	spoT	rplC
P60723	spot_ecoli	rl4_ecoli	spoT	rplD
P60723	spot_ecoli	rl4_ecoli	spoT	rplD
P0A7K2	spot_ecoli	rl7_ecoli	spoT	rplL
P0A7R1	spot_ecoli	rl9_ecoli	spoT	rplI
P37765	spot_ecoli	rlub_ecoli	spoT	rluB
P0A8T7	spot_ecoli	rpoc_ecoli	spoT	rpoC
P0AG67	spot_ecoli	rs1_ecoli	spoT	rpsA
P0A7R5	spot_ecoli	rs10_ecoli	spoT	rpsJ
P0A7R9	spot_ecoli	rs11_ecoli	spoT	rpsK
P0A7S3	spot_ecoli	rs12_ecoli	spoT	rpsL
P0AG59	spot_ecoli	rs14_ecoli	spoT	rpsN
P0A7T3	spot_ecoli	rs16_ecoli	spoT	rpsP
P0A7T7	spot_ecoli	rs18_ecoli	spoT	rpsR
P0A7V0	spot_ecoli	rs2_ecoli	spoT	rpsB
P0A7U7	spot_ecoli	rs20_ecoli	spoT	rpsT
P0A7V3	spot_ecoli	rs3_ecoli	spoT	rpsC

P0A7V8	spot_ecoli	rs4_ecoli	spoT	rpsD
P0A7W1	spot_ecoli	rs5_ecoli	spoT	rpsE
P02358	spot_ecoli	rs6_ecoli	spoT	rpsF
P02359	spot_ecoli	rs7_ecoli	spoT	rpsG
P02359	spot_ecoli	rs7_ecoli	spoT	rpsG
P0A7W7	spot_ecoli	rs8_ecoli	spoT	rpsH
P0A7X3	spot_ecoli	rs9_ecoli	spoT	rpsI
P21507	spot_ecoli	srmb_ecoli	spoT	srmb
P0ABV6	spot_ecoli	tolr_ecoli	spoT	tolR
P0AGJ2	spot_ecoli	trmh_ecoli	spoT	trmH
Q9S4W2	spot_ecoli	yubm_ecoli	spoT	yubM

P0ACB0	srmb_ecoli	dnab_ecoli	srmb	dnaB
P08622	srmb_ecoli	dnaj_ecoli	srmb	dnaJ
P0CE47	srmb_ecoli	eftu1_ecoli	srmb	tufA
P0A7L0	srmb_ecoli	rl1_ecoli	srmb	rplA
P60422	srmb_ecoli	rl2_ecoli	srmb	rplB
P60422	srmb_ecoli	rl2_ecoli	srmb	rplB
P61175	srmb_ecoli	rl22_ecoli	srmb	rplV
P61175	srmb_ecoli	rl22_ecoli	srmb	rplV
P0ADZ0	srmb_ecoli	rl23_ecoli	srmb	rplW
P60624	srmb_ecoli	rl24_ecoli	srmb	rplX
P60624	srmb_ecoli	rl24_ecoli	srmb	rplX
P60723	srmb_ecoli	rl4_ecoli	srmb	rplD
P60723	srmb_ecoli	rl4_ecoli	srmb	rplD
P0A7K2	srmb_ecoli	rl7_ecoli	srmb	rplL
P75864	srmb_ecoli	rlml_ecoli	srmb	rlmL
P37765	srmb_ecoli	rlub_ecoli	srmb	rluB
P0A7V0	srmb_ecoli	rs2_ecoli	srmb	rpsB
P0A7V3	srmb_ecoli	rs3_ecoli	srmb	rpsC
P0A7X3	srmb_ecoli	rs9_ecoli	srmb	rpsI

P0A9Q7	srp54_ecoli	adhe_ecoli	ffh	adhE
P0ABH9	srp54_ecoli	clpa_ecoli	ffh	clpA
P0A9M0	srp54_ecoli	lon_ecoli	ffh	lon
P0A817	srp54_ecoli	metk_ecoli	ffh	metK

P15288	ssb_ecoli	pepd_ecoli	ssb	pepD
P25888	ssb_ecoli	rhle_ecoli	ssb	rhIE

P0A6F5	sspa_ecoli	ch60_ecoli	sspA	groL
P0A6Y8	sspa_ecoli	dnak_ecoli	sspA	dnaK
P54745	sspa_ecoli	hrsa_ecoli	sspA	hrsA

P09373	sspa_ecoli	pflb_ecoli	sspA	pflB
P0A7R1	sspa_ecoli	rl9_ecoli	sspA	rplI
P0A7Z4	sspa_ecoli	rpoa_ecoli	sspA	rpoA
P0A8V2	sspa_ecoli	rpob_ecoli	sspA	rpoB
P0A8T7	sspa_ecoli	rpoc_ecoli	sspA	rpoC
P0A8N5	sspa_ecoli	syk2_ecoli	sspA	lysU
P0A8L1	sspa_ecoli	sys_ecoli	sspA	serS
P30139	sspa_ecoli	thig_ecoli	sspA	thiG
P0AAD4	sspa_ecoli	tyrp_ecoli	sspA	tyrP
P77400	sspa_ecoli	ybat_ecoli	sspA	ybaT
P33224	ssrp_ecoli	aidb_ecoli	smpB	aidB
P0ABH9	ssrp_ecoli	clpa_ecoli	smpB	clpA
P0ACF0	ssrp_ecoli	dbha_ecoli	smpB	hupA
P0ACF4	ssrp_ecoli	dbhb_ecoli	smpB	hupB
P0AES4	ssrp_ecoli	gyra_ecoli	smpB	gyrA
P0AES6	ssrp_ecoli	gyrb_ecoli	smpB	gyrB
P0A705	ssrp_ecoli	if2_ecoli	smpB	infB
P0AFI2	ssrp_ecoli	parc_ecoli	smpB	parC
P00490	ssrp_ecoli	phsm_ecoli	smpB	malP
P0A7L0	ssrp_ecoli	rl1_ecoli	smpB	rplA
P0AA10	ssrp_ecoli	rl13_ecoli	smpB	rplM
P60624	ssrp_ecoli	rl24_ecoli	smpB	rplX
P0A7M2	ssrp_ecoli	rl28_ecoli	smpB	rpmB
P0AG55	ssrp_ecoli	rl6_ecoli	smpB	rplF
P0AG55	ssrp_ecoli	rl6_ecoli	smpB	rplF
P0AG67	ssrp_ecoli	rs1_ecoli	smpB	rpsA
P0AG67	ssrp_ecoli	rs1_ecoli	smpB	rpsA
P0AG59	ssrp_ecoli	rs14_ecoli	smpB	rpsN
P0A7V0	ssrp_ecoli	rs2_ecoli	smpB	rpsB
P0A7V0	ssrp_ecoli	rs2_ecoli	smpB	rpsB
P0A7V3	ssrp_ecoli	rs3_ecoli	smpB	rpsC
P0A7W1	ssrp_ecoli	rs5_ecoli	smpB	rpsE
P10408	ssrp_ecoli	seca_ecoli	smpB	secA
P14081	ssrp_ecoli	selb_ecoli	smpB	selB
P0AEU7	ssrp_ecoli	skp_ecoli	smpB	skp
P0AGJ7	ssrp_ecoli	trml_ecoli	smpB	trmL
P09184	ssrp_ecoli	vsr_ecoli	smpB	vsr
P22525	ssrp_ecoli	yccb_ecoli	smpB	ycbB
P0AB35	ssrp_ecoli	ycfj_ecoli	smpB	ycfJ
P75989	ssrp_ecoli	ycge_ecoli	smpB	ycgE
P0A8M6	ssrp_ecoli	yeex_ecoli	smpB	yeeX
P0AGJ5	ssrp_ecoli	yfif_ecoli	smpB	yfiF
P00562	stfr_ecoli	ak2h_ecoli	stfR	metL

P23325	stfr_ecoli	arpa_ecoli	stfR	arpA
P00582	stfr_ecoli	dpo1_ecoli	stfR	polA
P0AFG8	stfr_ecoli	odp1_ecoli	stfR	aceE
P75905	stfr_ecoli	pgac_ecoli	stfR	pgaC
P60422	stfr_ecoli	rl2_ecoli	stfR	rplB
P76403	stfr_ecoli	yegq_ecoli	stfR	yegQ
P0A6Z3	stpa_ecoli	htpg_ecoli	stpA	htpG
P0A717	stpa_ecoli	kprs_ecoli	stpA	prs
P60422	stpa_ecoli	rl2_ecoli	stpA	rplB
P0A7V8	stpa_ecoli	rs4_ecoli	stpA	rpsD
P0A9K9	stpa_ecoli	slyd_ecoli	stpA	slyD
P75989	stpa_ecoli	ycge_ecoli	stpA	ycgE
P0AC41	succ_ecoli	dhsa_ecoli	sucC	sdhA
P0AC53	succ_ecoli	g6pd_ecoli	sucC	zwf
P0A717	succ_ecoli	kprs_ecoli	sucC	prs
P0AFG6	succ_ecoli	odo2_ecoli	sucC	sucB
P0AA43	succ_ecoli	rsua_ecoli	sucC	rsuA
P0AGE9	succ_ecoli	sucd_ecoli	sucC	sucD
P0AGE9	succ_ecoli	sucd_ecoli	sucC	sucD
P0AGE9	succ_ecoli	sucd_ecoli	sucC	sucD
P04152	succ_ecoli	umuc_ecoli	sucC	umuC
P0AC41	sucd_ecoli	dhsa_ecoli	sucD	sdhA
P10443	sucd_ecoli	dpo3a_ecoli	sucD	dnaE
P0AA43	sucd_ecoli	rsua_ecoli	sucD	rsuA
P0A6F5	sufc_ecoli	ch60_ecoli	sufC	groL
P0ABK5	sufc_ecoli	cysk_ecoli	sufC	cysK
P33940	sufc_ecoli	mqqo_ecoli	sufC	mqqo
P08373	sufc_ecoli	murb_ecoli	sufC	murB
P0A7L0	sufc_ecoli	rl1_ecoli	sufC	rplA
P77522	sufc_ecoli	sufb_ecoli	sufC	sufB
P77689	sufc_ecoli	sufd_ecoli	sufC	sufD
P0AFQ2	sufc_ecoli	ybhs_ecoli	sufC	ybhS
P0A6F5	sufs_ecoli	ch60_ecoli	sufS	groL
P0ABT2	sufs_ecoli	dps_ecoli	sufS	dps
P0A9M0	sufs_ecoli	lon_ecoli	sufS	lon
P69367	sufs_ecoli	mdth_ecoli	sufS	mdtH
P77316	sufs_ecoli	ybdr_ecoli	sufS	ybdR
P76463	sufs_ecoli	yfaq_ecoli	sufS	yfaQ
P28722	sufs_ecoli	yhca_ecoli	sufS	yhca

P0A9P0	sura_ecoli	dldh_ecoli	surA	lpdA
P0A6Y8	sura_ecoli	dnak_ecoli	surA	dnaK
P0AAI3	sura_ecoli	ftsh_ecoli	surA	ftsH
P17334	sura_ecoli	ptqc_ecoli	surA	chbC
P0A7K2	sura_ecoli	rl7_ecoli	surA	rpIL
P0AG59	sura_ecoli	rs14_ecoli	surA	rpsN
P04968	sura_ecoli	thd1_ecoli	surA	ilvA
P76069	sura_ecoli	yday_ecoli	surA	ydaY
P37652	sya_ecoli	bcsb_ecoli	alaS	bcsB
P0A6Y8	sya_ecoli	dnak_ecoli	alaS	dnaK
P0CE47	sya_ecoli	eftu1_ecoli	alaS	tufA
P0A7V0	sya_ecoli	rs2_ecoli	alaS	rpsB
P38104	sya_ecoli	rspa_ecoli	alaS	rspA
P76160	sya_ecoli	ydfR_ecoli	alaS	ydfR
P17994	sya_ecoli	yfaa_ecoli	alaS	yfaA
P0A6K3	syc_ecoli	def_ecoli	cysS	def
P18843	syc_ecoli	nade_ecoli	cysS	nadE
P36683	syd_ecoli	acon2_ecoli	aspS	acnB
P09832	syd_ecoli	gltD_ecoli	aspS	gltD
P0A738	syd_ecoli	moac_ecoli	aspS	moaC
P18843	syd_ecoli	nade_ecoli	aspS	nadE
P31061	syd_ecoli	noha_ecoli	aspS	nohA
P0A8T7	syd_ecoli	rpoc_ecoli	aspS	rpoC
P0A9K9	syd_ecoli	slyd_ecoli	aspS	slyD
P0A8M0	syd_ecoli	syn_ecoli	aspS	asnS
P31554	sye_ecoli	lptd_ecoli	gltX	lptD
P77188	sye_ecoli	matc_ecoli	gltX	matC
P60723	sye_ecoli	rl4_ecoli	gltX	rpID
P0A7V3	sye_ecoli	rs3_ecoli	gltX	rpsC
P0A9K9	sye_ecoli	slyd_ecoli	gltX	slyD
P76160	sye_ecoli	ydfR_ecoli	gltX	ydfR
P32715	syfb_ecoli	mdto_ecoli	pheT	mdtO
P30958	syfb_ecoli	mfd_ecoli	pheT	mfd
P0A7V0	syfb_ecoli	rs2_ecoli	pheT	rpsB
P0AG90	syfb_ecoli	secd_ecoli	pheT	secD
P08312	syfb_ecoli	syfa_ecoli	pheT	pheS
P08312	syfb_ecoli	syfa_ecoli	pheT	pheS
P76237	syfb_ecoli	yeaj_ecoli	pheT	yeaJ
Q46841	syfb_ecoli	yghq_ecoli	pheT	yghQ

P08622	syga_ecoli	dnaj_ecoli	glyQ	dnaJ
P08622	syga_ecoli	dnaj_ecoli	glyQ	dnaJ
P0CE47	syga_ecoli	eftu1_ecoli	glyQ	tufA
P09394	syga_ecoli	glpq_ecoli	glyQ	glpQ
P23865	syga_ecoli	prc_ecoli	glyQ	prc
P0AA10	syga_ecoli	rl13_ecoli	glyQ	rpIM
P0ADY7	syga_ecoli	rl16_ecoli	glyQ	rpIP
P0A7K6	syga_ecoli	rl19_ecoli	glyQ	rpIS
P0AG48	syga_ecoli	rl21_ecoli	glyQ	rpIU
P61175	syga_ecoli	rl22_ecoli	glyQ	rpIV
P0A7M2	syga_ecoli	rl28_ecoli	glyQ	rpmB
P60723	syga_ecoli	rl4_ecoli	glyQ	rpID
P0AG55	syga_ecoli	rl6_ecoli	glyQ	rpIF
P0A7S9	syga_ecoli	rs13_ecoli	glyQ	rpsM
P0A7T3	syga_ecoli	rs16_ecoli	glyQ	rpsP
P0A7V0	syga_ecoli	rs2_ecoli	glyQ	rpsB
P0A7V3	syga_ecoli	rs3_ecoli	glyQ	rpsC
P0A7W1	syga_ecoli	rs5_ecoli	glyQ	rpsE
P0AEF0	sygb_ecoli	dnac_ecoli	glyS	dnaC
P15038	sygb_ecoli	held_ecoli	glyS	held
P05847	sygb_ecoli	ttda_ecoli	glyS	ttdA
P0ACN4	syi_ecoli	allr_ecoli	ileS	allR
P08622	syi_ecoli	dnaj_ecoli	ileS	dnaJ
P0CE47	syi_ecoli	eftu1_ecoli	ileS	tufA
P13035	syi_ecoli	glpd_ecoli	ileS	glpD
P19930	syi_ecoli	hyad_ecoli	ileS	hyaD
P0A7B1	syi_ecoli	ppk_ecoli	ileS	ppk
P02925	syi_ecoli	rbsb_ecoli	ileS	rbsB
P36661	syi_ecoli	ycce_ecoli	ileS	yccE
P39336	syi_ecoli	yjgl_ecoli	ileS	yjgL
P12995	syk1_ecoli	bioa_ecoli	lysS	bioA
P15877	syk1_ecoli	dhg_ecoli	lysS	gcd
P77399	syk1_ecoli	fadj_ecoli	lysS	fadJ
P18843	syk1_ecoli	nade_ecoli	lysS	nadE
P0A794	syk1_ecoli	pdxj_ecoli	lysS	pdxJ
P0AFJ5	syk1_ecoli	phob_ecoli	lysS	phoB
P05458	syk1_ecoli	ptrA_ecoli	lysS	ptrA
P09377	syk1_ecoli	rhas_ecoli	lysS	rhaS
P16916	syk1_ecoli	rhas_ecoli	lysS	rhaS
P11868	syk1_ecoli	tdcd_ecoli	lysS	tdcD
P77561	syk1_ecoli	ydep_ecoli	lysS	ydeP
Q46802	syk1_ecoli	ygev_ecoli	lysS	ygeV

P0A9Q7	syk2_ecoli	adhe_ecoli	lysU	adhE
P21179	syk2_ecoli	cate_ecoli	lysU	katE
P63284	syk2_ecoli	clpb_ecoli	lysU	clpB
P0A9Y6	syk2_ecoli	cspc_ecoli	lysU	cspC
P0ABK5	syk2_ecoli	cysk_ecoli	lysU	cysK
P00861	syk2_ecoli	dcda_ecoli	lysU	lysA
P69908	syk2_ecoli	dcea_ecoli	lysU	gadA
P69910	syk2_ecoli	dceb_ecoli	lysU	gadB
P0ABT2	syk2_ecoli	dps_ecoli	lysU	dps
P0ABT2	syk2_ecoli	dps_ecoli	lysU	dps
P0A6M8	syk2_ecoli	efg_ecoli	lysU	fusA
P0A6P9	syk2_ecoli	eno_ecoli	lysU	eno
P0A6P9	syk2_ecoli	eno_ecoli	lysU	eno
P77733	syk2_ecoli	focb_ecoli	lysU	focB
P68066	syk2_ecoli	grca_ecoli	lysU	grcA
P0AFB1	syk2_ecoli	nlpi_ecoli	lysU	nlpI
P09373	syk2_ecoli	pflb_ecoli	lysU	pflB
P09373	syk2_ecoli	pflb_ecoli	lysU	pflB
P0A799	syk2_ecoli	pgk_ecoli	lysU	pgk
P0A8V2	syk2_ecoli	rpob_ecoli	lysU	rpoB
P0A8T7	syk2_ecoli	rpoc_ecoli	lysU	rpoC
P00956	syk2_ecoli	syi_ecoli	lysU	ileS
P0A8L1	syk2_ecoli	sys_ecoli	lysU	serS
P0A853	syk2_ecoli	tnaa_ecoli	lysU	tnaA
P32057	syk2_ecoli	wcai_ecoli	lysU	wcaI
P0A8G6	syk2_ecoli	wrba_ecoli	lysU	wrbA
P77169	syk2_ecoli	yagj_ecoli	lysU	yagJ
P76185	syk2_ecoli	ydhj_ecoli	lysU	ydhJ
P33346	syk2_ecoli	yehi_ecoli	lysU	yehI
P0AD33	syk2_ecoli	yfcz_ecoli	lysU	yfcZ
P0ADU5	syk2_ecoli	ygiw_ecoli	lysU	ygiW
P37662	syk2_ecoli	yhjx_ecoli	lysU	yhjX
P0AE18	syl_ecoli	ampm_ecoli	leuS	map
P0A6F5	syl_ecoli	ch60_ecoli	leuS	groL
P33129	syl_ecoli	htre_ecoli	leuS	htrE
P16431	syl_ecoli	hyce_ecoli	leuS	hycE
P0A7J7	syl_ecoli	rl11_ecoli	leuS	rpIK
P0ADZ0	syl_ecoli	rl23_ecoli	leuS	rpIW
P60438	syl_ecoli	rl3_ecoli	leuS	rpIC
P60723	syl_ecoli	rl4_ecoli	leuS	rpID
P0A7K2	syl_ecoli	rl7_ecoli	leuS	rpIL
P0A7R5	syl_ecoli	rs10_ecoli	leuS	rpsJ
P0A7T3	syl_ecoli	rs16_ecoli	leuS	rpsP

P0A7V0	syl_ecoli	rs2_ecoli	leuS	rpsB
P76245	syl_ecoli	yeap_ecoli	leuS	yeaP
P32689	syl_ecoli	yjbh_ecoli	leuS	yjbH
P60422	sym_ecoli	rl2_ecoli	metG	rplB
P18843	syn_ecoli	nade_ecoli	asnS	nadE
P0A6F5	syp_ecoli	ch60_ecoli	proS	groL
P0A988	syp_ecoli	dpo3b_ecoli	proS	dnaN
P15070	syp_ecoli	fliin_ecoli	proS	fliN
P0AFG8	syp_ecoli	odp1_ecoli	proS	aceE
P63284-1	syp_ecoli	P63284-1	proS	-
P0AC41	syr_ecoli	dhsa_ecoli	argS	sdhA
P33602	syr_ecoli	nuog_ecoli	argS	nuoG
P0AFG8	syr_ecoli	odp1_ecoli	argS	aceE
P07395	syr_ecoli	syfb_ecoli	argS	pheT
P77746	syr_ecoli	ybdo_ecoli	argS	ybdO
P77561	syr_ecoli	ydep_ecoli	argS	ydeP
P37652	sys_ecoli	bcsb_ecoli	serS	bcsB
P0A6F5	sys_ecoli	ch60_ecoli	serS	groL
P0C8J8	sys_ecoli	gatz_ecoli	serS	gatZ
P0A7H0	sys_ecoli	recf_ecoli	serS	recF
P33030	sys_ecoli	yeir_ecoli	serS	yeiR
P37908	sys_ecoli	yfjd_ecoli	serS	yfjD
P0AF82	sys_ecoli	yjfn_ecoli	serS	yjfn
P0A6Y8	syt_ecoli	dnak_ecoli	thrS	dnaK
P0A6P9	syt_ecoli	eno_ecoli	thrS	eno
P0C054	syt_ecoli	ibpa_ecoli	thrS	ibpA
P18843	syt_ecoli	nade_ecoli	thrS	nadE
P0A7H6	syt_ecoli	recr_ecoli	thrS	recR
P0A7L0	syt_ecoli	rl1_ecoli	thrS	rplA
P0A7L0	syt_ecoli	rl1_ecoli	thrS	rplA
P0AA10	syt_ecoli	rl13_ecoli	thrS	rplM
P0A7K6	syt_ecoli	rl19_ecoli	thrS	rplS
P61175	syt_ecoli	rl22_ecoli	thrS	rplV
P60438	syt_ecoli	rl3_ecoli	thrS	rplC
P0A7R1	syt_ecoli	rl9_ecoli	thrS	rplI
P0AG07	syt_ecoli	rpe_ecoli	thrS	rpe
P0AG67	syt_ecoli	rs1_ecoli	thrS	rpsA

P0A7R5	syt_ecoli	rs10_ecoli	thrS	rpsJ
P0A7S9	syt_ecoli	rs13_ecoli	thrS	rpsM
P0AG59	syt_ecoli	rs14_ecoli	thrS	rpsN
P0A7V0	syt_ecoli	rs2_ecoli	thrS	rpsB
P0A7U7	syt_ecoli	rs20_ecoli	thrS	rpsT
P0A7V3	syt_ecoli	rs3_ecoli	thrS	rpsC
P0A7W1	syt_ecoli	rs5_ecoli	thrS	rpsE
P02358	syt_ecoli	rs6_ecoli	thrS	rpsF
P02359	syt_ecoli	rs7_ecoli	thrS	rpsG
P0ACC9	syt_ecoli	wcab_ecoli	thrS	wcaB
P46142	syt_ecoli	yggm_ecoli	thrS	yggM
P0AGK4	syt_ecoli	yhby_ecoli	thrS	yhbY
P23839	syt_ecoli	yicc_ecoli	thrS	yicC
P46837	syv_ecoli	yhgf_ecoli	valS	yhgF
P0AE18	syw_ecoli	ampm_ecoli	trpS	map
P0ACV2	syw_ecoli	ddg_ecoli	trpS	ddg
P37005	syw_ecoli	last_ecoli	trpS	lasT
P18843	syw_ecoli	nade_ecoli	trpS	nadE
P0A7B1	syw_ecoli	ppk_ecoli	trpS	ppk
P0AA10	syw_ecoli	rl13_ecoli	trpS	rpIM
P61175	syw_ecoli	rl22_ecoli	trpS	rpIV
P60438	syw_ecoli	rl3_ecoli	trpS	rpIC
P0A7V0	syw_ecoli	rs2_ecoli	trpS	rpsB
P0A7V8	syw_ecoli	rs4_ecoli	trpS	rpsD
P0A7W1	syw_ecoli	rs5_ecoli	trpS	rpsE
P16456	syw_ecoli	seld_ecoli	trpS	seld
P12999	syy_ecoli	bioc_ecoli	tyrS	bioC
P0AC41	syy_ecoli	dhsa_ecoli	tyrS	sdhA
P0A6Y8	syy_ecoli	dnak_ecoli	tyrS	dnaK
P0A6Y8	syy_ecoli	dnak_ecoli	tyrS	dnaK
P18843	syy_ecoli	nade_ecoli	tyrS	nadE
P0AFG6	syy_ecoli	odo2_ecoli	tyrS	sucB
P10408	syy_ecoli	seca_ecoli	tyrS	secA
P45955	syy_ecoli	ybgf_ecoli	tyrS	ybgF
P77188	tala_ecoli	matc_ecoli	talA	matC
P18843	tala_ecoli	nade_ecoli	talA	nadE
P0AEX9	talb_ecoli	male_ecoli	talB	maIE

P0A6F5	tas_ecoli	ch60_ecoli	tas	groL
P31678	tas_ecoli	otsb_ecoli	tas	otsB
P0A6F5	tdh_ecoli	ch60_ecoli	tdh	groL
P06846	tdh_ecoli	ebgr_ecoli	tdh	ebgR
P18843	tdh_ecoli	nade_ecoli	tdh	nadE
P0A6F5	tehb_ecoli	ch60_ecoli	tehB	groL
P33940	tehb_ecoli	mqa_ecoli	tehB	mqa
P60422	tehb_ecoli	rl2_ecoli	tehB	rplB
P0ADK8	tehb_ecoli	yibL_ecoli	tehB	yibL
P03960	tesb_ecoli	atkb_ecoli	tesB	kdpB
P00722	tesb_ecoli	bgaL_ecoli	tesB	lacZ
P0A6Y8	tesb_ecoli	dnak_ecoli	tesB	dnaK
P18843	tesb_ecoli	nade_ecoli	tesB	nadE
P0AG90	tesb_ecoli	secD_ecoli	tesB	secD
P37653	tgt_ecoli	bcsA_ecoli	tgt	bcsA
P0A6F5	tgt_ecoli	ch60_ecoli	tgt	groL
P0ACF0	tgt_ecoli	dbha_ecoli	tgt	hupA
P0ACF4	tgt_ecoli	dbhb_ecoli	tgt	hupB
P0A9P6	tgt_ecoli	dead_ecoli	tgt	deaD
P75969	tgt_ecoli	inte_ecoli	tgt	intE
P08997	tgt_ecoli	masy_ecoli	tgt	aceB
P18843	tgt_ecoli	nade_ecoli	tgt	nadE
P0AFG8	tgt_ecoli	odp1_ecoli	tgt	aceE
P06959	tgt_ecoli	odp2_ecoli	tgt	aceF
P0A7L0	tgt_ecoli	rl1_ecoli	tgt	rplA
P0AA10	tgt_ecoli	rl13_ecoli	tgt	rplM
P0AG44	tgt_ecoli	rl17_ecoli	tgt	rplQ
P0A7K6	tgt_ecoli	rl19_ecoli	tgt	rplS
P60422	tgt_ecoli	rl2_ecoli	tgt	rplB
P60422	tgt_ecoli	rl2_ecoli	tgt	rplB
P0A7L3	tgt_ecoli	rl20_ecoli	tgt	rplT
P0AG48	tgt_ecoli	rl21_ecoli	tgt	rplU
P61175	tgt_ecoli	rl22_ecoli	tgt	rplV
P60624	tgt_ecoli	rl24_ecoli	tgt	rplX
P0A7M2	tgt_ecoli	rl28_ecoli	tgt	rpmB
P60438	tgt_ecoli	rl3_ecoli	tgt	rplC
P60723	tgt_ecoli	rl4_ecoli	tgt	rplD

P0A7K2	tgt_ecoli	rl7_ecoli	tgt	rpIL
P0A7R1	tgt_ecoli	rl9_ecoli	tgt	rpII
P0A7R1	tgt_ecoli	rl9_ecoli	tgt	rpII
P75864	tgt_ecoli	rlml_ecoli	tgt	rlmL
P37765	tgt_ecoli	rlub_ecoli	tgt	rluB
P0A8V2	tgt_ecoli	rpob_ecoli	tgt	rpoB
P0AG67	tgt_ecoli	rs1_ecoli	tgt	rpsA
P0A7S3	tgt_ecoli	rs12_ecoli	tgt	rpsL
P0AG59	tgt_ecoli	rs14_ecoli	tgt	rpsN
P0A7W1	tgt_ecoli	rs5_ecoli	tgt	rpsE
P02359	tgt_ecoli	rs7_ecoli	tgt	rpsG
P0A832	tgt_ecoli	ssrp_ecoli	tgt	smpB
P0AGJ5	tgt_ecoli	yfif_ecoli	tgt	yfiF
P0AGJ5	tgt_ecoli	yfif_ecoli	tgt	yfiF
P0A6Y8	thga_ecoli	dnak_ecoli	lacA	dnaK
P0A717	thga_ecoli	kprs_ecoli	lacA	prs
P22731	thii_ecoli	livf_ecoli	thiI	livF
P0A7L0	thii_ecoli	rl1_ecoli	thiI	rplA
P60422	thii_ecoli	rl2_ecoli	thiI	rplB
P0A6F5	thik_ecoli	ch60_ecoli	thiK	groL
P45395	thik_ecoli	kdsd_ecoli	thiK	kdsD
P0A7J0	thik_ecoli	ribb_ecoli	thiK	ribB
P0A7V8	thik_ecoli	rs4_ecoli	thiK	rpsD
P0A9K9	thik_ecoli	slyd_ecoli	thiK	slyD
P05052	thil_ecoli	appy_ecoli	thiL	appY
P0A6F5	thil_ecoli	ch60_ecoli	thiL	groL
P0A972	thil_ecoli	cspe_ecoli	thiL	cspE
P18843	thil_ecoli	nade_ecoli	thiL	nadE
P24173	thil_ecoli	rfac_ecoli	thiL	rfaC
P0A7M2	thil_ecoli	rl28_ecoli	thiL	rpmB
P0A9K9	thil_ecoli	slyd_ecoli	thiL	slyD
P0A843	thil_ecoli	tate_ecoli	thiL	tatE
P36683	thio_ecoli	acon2_ecoli	trxA	acnB
P36683	thio_ecoli	acon2_ecoli	trxA	acnB
P36683	thio_ecoli	acon2_ecoli	trxA	acnB
P22333	thio_ecoli	add_ecoli	trxA	add
P39180	thio_ecoli	ag43_ecoli	trxA	flu
P0AB71	thio_ecoli	alf_ecoli	trxA	fbaA

POABB0	thio_ecoli	atpa_ecoli	trxA	atpA
POABB4	thio_ecoli	atpb_ecoli	trxA	atpD
POABB4	thio_ecoli	atpb_ecoli	trxA	atpD
P00722	thio_ecoli	bgal_ecoli	trxA	lacZ
P00722	thio_ecoli	bgal_ecoli	trxA	lacZ
POA6F9	thio_ecoli	ch10_ecoli	trxA	groS
POA6G7	thio_ecoli	clpp_ecoli	trxA	clpP
POA9X9	thio_ecoli	cspa_ecoli	trxA	cspA
POA9D8	thio_ecoli	dapd_ecoli	trxA	dapD
POA9D8	thio_ecoli	dapd_ecoli	trxA	dapD
POACF4	thio_ecoli	dbhb_ecoli	trxA	hupB
POAC41	thio_ecoli	dhsa_ecoli	trxA	sdhA
POABS1	thio_ecoli	dksa_ecoli	trxA	dksA
POA6M8	thio_ecoli	efg_ecoli	trxA	fusA
POA6M8	thio_ecoli	efg_ecoli	trxA	fusA
POA6N4	thio_ecoli	efp_ecoli	trxA	efp
POA6P1	thio_ecoli	efts_ecoli	trxA	tsf
POA6P9	thio_ecoli	eno_ecoli	trxA	eno
POA6P9	thio_ecoli	eno_ecoli	trxA	eno
POA6Q3	thio_ecoli	faba_ecoli	trxA	fabA
POA6Q3	thio_ecoli	faba_ecoli	trxA	fabA
POAEK2	thio_ecoli	fabg_ecoli	trxA	fabG
POAEK4	thio_ecoli	fabi_ecoli	trxA	fabI
POA6Q6	thio_ecoli	fabz_ecoli	trxA	fabZ
P21177	thio_ecoli	fadb_ecoli	trxA	fadB
P32176	thio_ecoli	fdog_ecoli	trxA	fdoG
POA9L3	thio_ecoli	fkbb_ecoli	trxA	fkIB
POA9A6	thio_ecoli	ftsZ_ecoli	trxA	ftsZ
POA9A9	thio_ecoli	fur_ecoli	trxA	fur
POA9B2	thio_ecoli	g3p1_ecoli	trxA	gapA
POA9B2	thio_ecoli	g3p1_ecoli	trxA	gapA
P31120	thio_ecoli	glmm_ecoli	trxA	glmM
POACC7	thio_ecoli	glmu_ecoli	trxA	glmU
POA6H5	thio_ecoli	hslu_ecoli	trxA	hslU
POA6H5	thio_ecoli	hslu_ecoli	trxA	hslU
POA6Z3	thio_ecoli	htpg_ecoli	trxA	htpG
POA6Z3	thio_ecoli	htpg_ecoli	trxA	htpG
P08200	thio_ecoli	idh_ecoli	trxA	icd
P08200	thio_ecoli	idh_ecoli	trxA	icd
P13029	thio_ecoli	katg_ecoli	trxA	katG
P23331	thio_ecoli	kith_ecoli	trxA	tdk
P21599	thio_ecoli	kpyk2_ecoli	trxA	pykA
P02943	thio_ecoli	lamb_ecoli	trxA	lamB
POA9V1	thio_ecoli	lptb_ecoli	trxA	lptB
POAEX9	thio_ecoli	male_ecoli	trxA	malE

P0AAG8	thio_ecoli	mgla_ecoli	trxA	mgla
P0AAG8	thio_ecoli	mgla_ecoli	trxA	mgla
P33940	thio_ecoli	mgo_ecoli	trxA	mgo
P33940	thio_ecoli	mgo_ecoli	trxA	mgo
P0A9X4	thio_ecoli	mreb_ecoli	trxA	mreB
P0A763	thio_ecoli	ndk_ecoli	trxA	ndk
P28903	thio_ecoli	nrdD_ecoli	trxA	nrdD
P0A8D0	thio_ecoli	nrdR_ecoli	trxA	nrdR
P0AFG0	thio_ecoli	nusG_ecoli	trxA	nusG
P0AFG0	thio_ecoli	nusG_ecoli	trxA	nusG
P42641	thio_ecoli	obg_ecoli	trxA	obgE
P0A910	thio_ecoli	ompa_ecoli	trxA	ompA
P06996	thio_ecoli	ompc_ecoli	trxA	ompC
P02931	thio_ecoli	ompf_ecoli	trxA	ompF
P0AA16	thio_ecoli	ompr_ecoli	trxA	ompR
P23865	thio_ecoli	prc_ecoli	trxA	prc
P69783	thio_ecoli	ptga_ecoli	trxA	crr
P69783	thio_ecoli	ptga_ecoli	trxA	crr
P09546	thio_ecoli	puta_ecoli	trxA	putA
P0A7E9	thio_ecoli	pyrH_ecoli	trxA	pyrH
P02925	thio_ecoli	rbsB_ecoli	trxA	rbsB
P69407	thio_ecoli	rbsB_ecoli	trxA	rbsB
P69407	thio_ecoli	rbsB_ecoli	trxA	rbsB
P0A7G6	thio_ecoli	reca_ecoli	trxA	recA
P0A7G6	thio_ecoli	reca_ecoli	trxA	recA
P00452	thio_ecoli	rir1_ecoli	trxA	nrdA
P0A800	thio_ecoli	rpoz_ecoli	trxA	rpoZ
P0A800	thio_ecoli	rpoz_ecoli	trxA	rpoZ
P30744	thio_ecoli	sdhm_ecoli	trxA	sdaB
P0A9K9	thio_ecoli	slyD_ecoli	trxA	slyD
P0A9K9	thio_ecoli	slyD_ecoli	trxA	slyD
P00448	thio_ecoli	sodM_ecoli	trxA	sodA
P0AGD7	thio_ecoli	srp54_ecoli	trxA	ffh
P0AGD7	thio_ecoli	srp54_ecoli	trxA	ffh
P27306	thio_ecoli	sthA_ecoli	trxA	sthA
P27306	thio_ecoli	sthA_ecoli	trxA	sthA
P0A836	thio_ecoli	succ_ecoli	trxA	sucC
P0A836	thio_ecoli	succ_ecoli	trxA	sucC
P0AGE9	thio_ecoli	sucD_ecoli	trxA	sucD
P0AGE9	thio_ecoli	sucD_ecoli	trxA	sucD
P0A870	thio_ecoli	talB_ecoli	trxA	talB
P0A853	thio_ecoli	tnaA_ecoli	trxA	tnaA
P0A858	thio_ecoli	tpis_ecoli	trxA	tpiA
P0A862	thio_ecoli	tpx_ecoli	trxA	tpx
P0A9P4	thio_ecoli	trxB_ecoli	trxA	trxB

P0A887	thio_ecoli	ubie_ecoli	trxA	ubiE
P12758	thio_ecoli	udp_ecoli	trxA	udp
P0A8E7	thio_ecoli	yajq_ecoli	trxA	yajQ
P0A8E7	thio_ecoli	yajq_ecoli	trxA	yajQ
P0A8J4	thio_ecoli	ybed_ecoli	trxA	ybeD
P0A8J4	thio_ecoli	ybed_ecoli	trxA	ybeD
P0ACY1	thio_ecoli	ydja_ecoli	trxA	ydjA
P33218	thio_ecoli	yebe_ecoli	trxA	yebE
P24203	thio_ecoli	yjia_ecoli	trxA	yjiA
P77475	thio_ecoli	yqab_ecoli	trxA	yqaB

P0A6M8	thrc_ecoli	efg_ecoli	thrC	fusA
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P31441	tig_ecoli	adec_ecoli	tig	ade
P00561	tig_ecoli	ak1h_ecoli	tig	thrA
P18335	tig_ecoli	argd_ecoli	tig	argD
P22106	tig_ecoli	asnb_ecoli	tig	asnB
P0AC38	tig_ecoli	aspa_ecoli	tig	aspA
P09053	tig_ecoli	avta_ecoli	tig	avtA
P00722	tig_ecoli	bgal_ecoli	tig	lacZ
P0A6F1	tig_ecoli	cara_ecoli	tig	carA
P00968	tig_ecoli	carb_ecoli	tig	carB
P36659	tig_ecoli	cbpa_ecoli	tig	cbpA
P0A6J5	tig_ecoli	dada_ecoli	tig	dadA
P00861	tig_ecoli	dcda_ecoli	tig	lysA
P0AC41	tig_ecoli	dhsa_ecoli	tig	sdhA
P0AC41	tig_ecoli	dhsa_ecoli	tig	sdhA
P07014	tig_ecoli	dhsb_ecoli	tig	sdhB
P0A6Q3	tig_ecoli	faba_ecoli	tig	fabA
P21177	tig_ecoli	fadb_ecoli	tig	fadB
P0ABY2	tig_ecoli	flit_ecoli	tig	fliT
P05523	tig_ecoli	fpg_ecoli	tig	mutM
P0ACP1	tig_ecoli	frur_ecoli	tig	fruR
P0A998	tig_ecoli	ftna_ecoli	tig	ftnA
P0AAI3	tig_ecoli	ftsh_ecoli	tig	ftsH
P0A9B2	tig_ecoli	g3p1_ecoli	tig	gapA
P0A9S3	tig_ecoli	gatd_ecoli	tig	gatD
P0C8J8	tig_ecoli	gatz_ecoli	tig	gatZ
P0A9S5	tig_ecoli	glda_ecoli	tig	gldA
P0A6V8	tig_ecoli	glk_ecoli	tig	glk
P0AER3	tig_ecoli	gtj_ecoli	tig	gtJ

P06987	tig_ecoli	his7_ecoli	tig	hisB
P0A6Z3	tig_ecoli	htpg_ecoli	tig	htpG
Q46893	tig_ecoli	ispd_ecoli	tig	ispD
P69441	tig_ecoli	kad_ecoli	tig	adk
P23331	tig_ecoli	kith_ecoli	tig	tdk
P45578	tig_ecoli	luxs_ecoli	tig	luxS
P77791	tig_ecoli	maa_ecoli	tig	maa
P69741	tig_ecoli	mbht_ecoli	tig	hybO
P0A9X4	tig_ecoli	mreb_ecoli	tig	mreB
P18843	tig_ecoli	nade_ecoli	tig	nadE
P45425	tig_ecoli	nank_ecoli	tig	nanK
P19318	tig_ecoli	nary_ecoli	tig	narY
P19319	tig_ecoli	narz_ecoli	tig	narZ
P32664	tig_ecoli	nudc_ecoli	tig	nudC
P0AFD1	tig_ecoli	nuoe_ecoli	tig	nuoE
P0AFG6	tig_ecoli	odo2_ecoli	tig	sucB
P0AFG8	tig_ecoli	odp1_ecoli	tig	aceE
P0A910	tig_ecoli	ompa_ecoli	tig	ompA
P0A910	tig_ecoli	ompa_ecoli	tig	ompA
P02931	tig_ecoli	ompf_ecoli	tig	ompF
P33136	tig_ecoli	opgg_ecoli	tig	mdoG
P0AFI7	tig_ecoli	pdxh_ecoli	tig	pdxH
P09373	tig_ecoli	pflb_ecoli	tig	pflB
P23538	tig_ecoli	ppsa_ecoli	tig	ppsA
P0AG82	tig_ecoli	psts_ecoli	tig	pstS
P69828	tig_ecoli	ptka_ecoli	tig	gatA
P09546	tig_ecoli	puta_ecoli	tig	putA
P0AG30	tig_ecoli	rho_ecoli	tig	rho
P16918	tig_ecoli	rhsc_ecoli	tig	rhsC
P16919	tig_ecoli	rhsd_ecoli	tig	rhsD
P0A7L0	tig_ecoli	rl1_ecoli	tig	rplA
P0A7J3	tig_ecoli	rl10_ecoli	tig	rplJ
P0AA10	tig_ecoli	rl13_ecoli	tig	rplM
P0ADY3	tig_ecoli	rl14_ecoli	tig	rplN
P0ADY3	tig_ecoli	rl14_ecoli	tig	rplN
P02413	tig_ecoli	rl15_ecoli	tig	rplO
P0ADY7	tig_ecoli	rl16_ecoli	tig	rplP
P0AG44	tig_ecoli	rl17_ecoli	tig	rplQ
P60422	tig_ecoli	rl2_ecoli	tig	rplB
P61175	tig_ecoli	rl22_ecoli	tig	rplV
P0ADZ0	tig_ecoli	rl23_ecoli	tig	rplW
P0A7M2	tig_ecoli	rl28_ecoli	tig	rpmB
P0A7M2	tig_ecoli	rl28_ecoli	tig	rpmB
P0A7M6	tig_ecoli	rl29_ecoli	tig	rpmC
P60438	tig_ecoli	rl3_ecoli	tig	rplC

P60438	tig_ecoli	rl3_ecoli	tig	rplC
P60723	tig_ecoli	rl4_ecoli	tig	rplD
P60723	tig_ecoli	rl4_ecoli	tig	rplD
P62399	tig_ecoli	rl5_ecoli	tig	rplE
P0AG55	tig_ecoli	rl6_ecoli	tig	rplF
P0AG55	tig_ecoli	rl6_ecoli	tig	rplF
P0A7K2	tig_ecoli	rl7_ecoli	tig	rplL
P0A7Y0	tig_ecoli	rnc_ecoli	tig	rnc
P0A8V2	tig_ecoli	rpob_ecoli	tig	rpoB
P0A8T7	tig_ecoli	rpoc_ecoli	tig	rpoC
P0AG67	tig_ecoli	rs1_ecoli	tig	rpsA
P0AG67	tig_ecoli	rs1_ecoli	tig	rpsA
P0A7R5	tig_ecoli	rs10_ecoli	tig	rpsJ
P0A7R9	tig_ecoli	rs11_ecoli	tig	rpsK
P0AG59	tig_ecoli	rs14_ecoli	tig	rpsN
P0A7U3	tig_ecoli	rs19_ecoli	tig	rpsS
P0A7V0	tig_ecoli	rs2_ecoli	tig	rpsB
P0A7V0	tig_ecoli	rs2_ecoli	tig	rpsB
P68679	tig_ecoli	rs21_ecoli	tig	rpsU
P68679	tig_ecoli	rs21_ecoli	tig	rpsU
P0A7V3	tig_ecoli	rs3_ecoli	tig	rpsC
P0A7V3	tig_ecoli	rs3_ecoli	tig	rpsC
P0A7V8	tig_ecoli	rs4_ecoli	tig	rpsD
P0A7W1	tig_ecoli	rs5_ecoli	tig	rpsE
P0A7W1	tig_ecoli	rs5_ecoli	tig	rpsE
P0A7W1	tig_ecoli	rs5_ecoli	tig	rpsE
P02359	tig_ecoli	rs7_ecoli	tig	rpsG
P02359	tig_ecoli	rs7_ecoli	tig	rpsG
P0A7X3	tig_ecoli	rs9_ecoli	tig	rpsI
P0A7X3	tig_ecoli	rs9_ecoli	tig	rpsI
P38104	tig_ecoli	rspa_ecoli	tig	rspA
P0A9K9	tig_ecoli	slyd_ecoli	tig	slyD
P0ACQ7	tig_ecoli	tdca_ecoli	tig	tdcA
P07464	tig_ecoli	thga_ecoli	tig	lacA
P06612	tig_ecoli	top1_ecoli	tig	topA
P23003	tig_ecoli	trma_ecoli	tig	trmA
P0A698	tig_ecoli	uvra_ecoli	tig	uvrA
P0A6L7	tig_ecoli	uxab_ecoli	tig	uxaB
P0AB43	tig_ecoli	ycgl_ecoli	tig	ycgL
P76464	tig_ecoli	yfas_ecoli	tig	yfaS
P0AGJ5	tig_ecoli	yfif_ecoli	tig	yfiF
Q47319	tig_ecoli	yfip_ecoli	tig	yfiP
P0ADQ2	tig_ecoli	yiid_ecoli	tig	yiiD
P39280	tig_ecoli	yjek_ecoli	tig	yjeK
P76149	tig_ecoli	ynei_ecoli	tig	yneI

P76208	tig_ecoli	ynib_ecoli	tig	yniB
P0A6Y8	tnaa_ecoli	dnak_ecoli	tnaA	dnak
P0ACF0	top1_ecoli	dbha_ecoli	topA	hupA
P0ACF4	top1_ecoli	dbhb_ecoli	topA	hupB
P0A9P0	top1_ecoli	dldh_ecoli	topA	lpdA
P75933	top1_ecoli	flga_ecoli	topA	flgA
P25527	top1_ecoli	gabp_ecoli	topA	gabP
P0A6X3	top1_ecoli	hfq_ecoli	topA	hfq
P0ACF8	top1_ecoli	hns_ecoli	topA	hns
P37647	top1_ecoli	kdgk_ecoli	topA	kdgK
P75830	top1_ecoli	maca_ecoli	topA	macA
P00490	top1_ecoli	phsm_ecoli	topA	malP
P23830	top1_ecoli	pss_ecoli	topA	pssA
P21893	top1_ecoli	recj_ecoli	topA	recJ
P15043	top1_ecoli	recq_ecoli	topA	recQ
P27243	top1_ecoli	rfal_ecoli	topA	rfaL
P0A948	top1_ecoli	rimj_ecoli	topA	rimJ
P37765	top1_ecoli	rlub_ecoli	topA	rluB
P0ACI0	top1_ecoli	rob_ecoli	topA	rob
P0A7Z4	top1_ecoli	rpoa_ecoli	topA	rpoA
P0A8V2	top1_ecoli	rpob_ecoli	topA	rpoB
P0A8T7	top1_ecoli	rpoc_ecoli	topA	rpoC
P0A8T7	top1_ecoli	rpoc_ecoli	topA	rpoC
P0AGB6	top1_ecoli	rpoe_ecoli	topA	rpoE
P0A800	top1_ecoli	rpoz_ecoli	topA	rpoZ
P52108	top1_ecoli	rsta_ecoli	topA	rstA
P21507	top1_ecoli	srmB_ecoli	topA	srmB
P00957	top1_ecoli	sya_ecoli	topA	alaS
P07813	top1_ecoli	syl_ecoli	topA	leuS
P0A9U3	top1_ecoli	ybit_ecoli	topA	ybiT
P0A8Z0	top1_ecoli	ycia_ecoli	topA	yciA

P0A9F3	tpx_ecoli	cysb_ecoli	tpx	cysB
P23524	tpx_ecoli	glxk2_ecoli	tpx	garK
P0A894	trea_ecoli	yhbj_ecoli	treA	yhbJ
P00968	trec_ecoli	carb_ecoli	treC	carB
P18843	trec_ecoli	nade_ecoli	treC	nadE
P0AFI7	trec_ecoli	pdxh_ecoli	treC	pdxH
P60723	trec_ecoli	rl4_ecoli	treC	rplD
P16659	trec_ecoli	syp_ecoli	treC	proS
P08956	trec_ecoli	t1rk_ecoli	treC	hsdR
Q46844	trec_ecoli	yght_ecoli	treC	yghT
P0A6Y8	trer_ecoli	dnak_ecoli	treR	dnaK
P32675	trer_ecoli	pflc_ecoli	treR	pflC
P60422	trer_ecoli	rl2_ecoli	treR	rplB
P0A7X3	trer_ecoli	rs9_ecoli	treR	rpsI
P0AB43	trer_ecoli	ycgl_ecoli	treR	ycgL
P08245	trer_ecoli	ycih_ecoli	treR	yciH
P0A6F5	trmb_ecoli	ch60_ecoli	trmB	groL
P0A9P6	trmb_ecoli	dead_ecoli	trmB	deaD
P0AEE5	trmb_ecoli	dgal_ecoli	trmB	mgIB
P0A9P0	trmb_ecoli	dldh_ecoli	trmB	lpdA
P0A6Y8	trmb_ecoli	dnak_ecoli	trmB	dnaK
P0ABX2	trmb_ecoli	flgc_ecoli	trmB	flgC
P0AEM4	trmb_ecoli	flgm_ecoli	trmB	flgM
P32662	trmb_ecoli	gph_ecoli	trmB	gph
P43329	trmb_ecoli	hrpa_ecoli	trmB	hrpA
P0AFG8	trmb_ecoli	odp1_ecoli	trmB	aceE
P0A9J8	trmb_ecoli	phea_ecoli	trmB	pheA
P0A9K3	trmb_ecoli	phol_ecoli	trmB	ybeZ
P23830	trmb_ecoli	pss_ecoli	trmB	pssA
P0A7J3	trmb_ecoli	rl10_ecoli	trmB	rplJ

P0AA10	trmb_ecoli	rl13_ecoli	trmB	rplM
P0A7K6	trmb_ecoli	rl19_ecoli	trmB	rplS
P60422	trmb_ecoli	rl2_ecoli	trmB	rplB
P61175	trmb_ecoli	rl22_ecoli	trmB	rplV
P61175	trmb_ecoli	rl22_ecoli	trmB	rplV
P60624	trmb_ecoli	rl24_ecoli	trmB	rplX
P60438	trmb_ecoli	rl3_ecoli	trmB	rplC
P60723	trmb_ecoli	rl4_ecoli	trmB	rplD
P62399	trmb_ecoli	rl5_ecoli	trmB	rplE
P0AG55	trmb_ecoli	rl6_ecoli	trmB	rplF
P0A7R1	trmb_ecoli	rl9_ecoli	trmB	rplI
P75864	trmb_ecoli	rlml_ecoli	trmB	rlmL
P0AG67	trmb_ecoli	rs1_ecoli	trmB	rpsA
P0A7S9	trmb_ecoli	rs13_ecoli	trmB	rpsM
P0A7T3	trmb_ecoli	rs16_ecoli	trmB	rpsP
P0A7V0	trmb_ecoli	rs2_ecoli	trmB	rpsB
P0A7U7	trmb_ecoli	rs20_ecoli	trmB	rpsT
P68679	trmb_ecoli	rs21_ecoli	trmB	rpsU
P0A7V3	trmb_ecoli	rs3_ecoli	trmB	rpsC
P0A7V8	trmb_ecoli	rs4_ecoli	trmB	rpsD
P0A7W1	trmb_ecoli	rs5_ecoli	trmB	rpsE
P02358	trmb_ecoli	rs6_ecoli	trmB	rpsF
P02359	trmb_ecoli	rs7_ecoli	trmB	rpsG
P02359	trmb_ecoli	rs7_ecoli	trmB	rpsG
P21507	trmb_ecoli	srmB_ecoli	trmB	srmB
P00962	trmb_ecoli	syq_ecoli	trmB	glnS
P0AFQ2	trmb_ecoli	ybhs_ecoli	trmB	ybhS
P0AGJ5	trmb_ecoli	yfif_ecoli	trmB	yfiF
P30871	trmb_ecoli	ygif_ecoli	trmB	ygiF
P76092	trmb_ecoli	ynbc_ecoli	trmB	ynbC
P76115	trmb_ecoli	yncd_ecoli	trmB	yncD
P77624	trmh_ecoli	arcm_ecoli	trmH	yahl
P02359	trmh_ecoli	rs7_ecoli	trmH	rpsG
P0A7X3	trmh_ecoli	rs9_ecoli	trmH	rpsI
P0A7J3	trub_ecoli	rl10_ecoli	truB	rplJ
P02413	trub_ecoli	rl15_ecoli	truB	rplO
P0AG44	trub_ecoli	rl17_ecoli	truB	rplQ
P60422	trub_ecoli	rl2_ecoli	truB	rplB
P52062	trub_ecoli	yggw_ecoli	truB	yggW
P18843	trxb_ecoli	nade_ecoli	trxB	nadE

P0A6F5	tus_ecoli	ch60_ecoli	tus	groL
P0AET8	tus_ecoli	hdha_ecoli	tus	hdhA
P09557	tusc_ecoli	dicb_ecoli	tusC	dicB
P0ACV6	tusc_ecoli	mpaa_ecoli	tusC	mpaA
P76154	tusc_ecoli	ydfk_ecoli	tusC	ydfK
P76073	tusc_ecoli	ynaE_ecoli	tusC	ynaE
P35340	tyrr_ecoli	ahpf_ecoli	tyrR	ahpF
P06959	tyrr_ecoli	odp2_ecoli	tyrR	aceF
P37127	ubib_ecoli	aega_ecoli	ubiB	aegA
P0A6F5	ubib_ecoli	ch60_ecoli	ubiB	groL
P0ABH9	ubib_ecoli	clpa_ecoli	ubiB	clpA
P0ACJ8	ubib_ecoli	crp_ecoli	ubiB	crp
P0A6Y8	ubib_ecoli	dnak_ecoli	ubiB	dnaK
P0AFM6	ubib_ecoli	pspa_ecoli	ubiB	pspA
P28043	ubib_ecoli	ssb2_ecolx	ubiB	ssb
P0A8E5	ubib_ecoli	yacl_ecoli	ubiB	yacl
P0A6F5	ubif_ecoli	ch60_ecoli	ubiF	groL
P13035	ubif_ecoli	glpd_ecoli	ubiF	glpD
P18843	ubif_ecoli	nade_ecoli	ubiF	nadE
P33230	ubif_ecoli	ydac_ecoli	ubiF	ydaC
P32176	udp_ecoli	fdog_ecoli	udp	fdoG
P0A6F5	ular_ecoli	ch60_ecoli	ulaR	groL
P0A6F5	ular_ecoli	ch60_ecoli	ulaR	groL
P0A6F5	ular_ecoli	ch60_ecoli	ulaR	groL
P0ACF4	ular_ecoli	dbhb_ecoli	ulaR	hupB
P0A9P0	ular_ecoli	dldh_ecoli	ulaR	lpdA
P08622	ular_ecoli	dnaj_ecoli	ulaR	dnaJ
P0A6Y8	ular_ecoli	dnak_ecoli	ulaR	dnaK
P75742	ular_ecoli	dtpd_ecoli	ulaR	dtpD
P0CE47	ular_ecoli	eftu1_ecoli	ulaR	tufA
P0CE47	ular_ecoli	eftu1_ecoli	ulaR	tufA
P03030	ular_ecoli	lysr_ecoli	ulaR	lysR
P06959	ular_ecoli	odp2_ecoli	ulaR	aceF
P0A7L0	ular_ecoli	rl1_ecoli	ulaR	rplA

P0AA10	ular_ecoli	rl13_ecoli	ulaR	rplM
P0ADY3	ular_ecoli	rl14_ecoli	ulaR	rplN
P0A7K6	ular_ecoli	rl19_ecoli	ulaR	rplS
P0AG48	ular_ecoli	rl21_ecoli	ulaR	rplU
P61175	ular_ecoli	rl22_ecoli	ulaR	rplV
P0A7M2	ular_ecoli	rl28_ecoli	ulaR	rpmB
P60438	ular_ecoli	rl3_ecoli	ulaR	rplC
P60438	ular_ecoli	rl3_ecoli	ulaR	rplC
P60723	ular_ecoli	rl4_ecoli	ulaR	rplD
P0A7K2	ular_ecoli	rl7_ecoli	ulaR	rplL
P0AG67	ular_ecoli	rs1_ecoli	ulaR	rpsA
P0A7R5	ular_ecoli	rs10_ecoli	ulaR	rpsJ
P0A7S3	ular_ecoli	rs12_ecoli	ulaR	rpsL
P0A7S9	ular_ecoli	rs13_ecoli	ulaR	rpsM
P0A7S9	ular_ecoli	rs13_ecoli	ulaR	rpsM
P0AG59	ular_ecoli	rs14_ecoli	ulaR	rpsN
P0A7U3	ular_ecoli	rs19_ecoli	ulaR	rpsS
P0A7V0	ular_ecoli	rs2_ecoli	ulaR	rpsB
P0A7U7	ular_ecoli	rs20_ecoli	ulaR	rpsT
P0A7V3	ular_ecoli	rs3_ecoli	ulaR	rpsC
P0A7V8	ular_ecoli	rs4_ecoli	ulaR	rpsD
P0A7V8	ular_ecoli	rs4_ecoli	ulaR	rpsD
P0A7W1	ular_ecoli	rs5_ecoli	ulaR	rpsE
P0A7W1	ular_ecoli	rs5_ecoli	ulaR	rpsE
P02359	ular_ecoli	rs7_ecoli	ulaR	rpsG
P0A7W7	ular_ecoli	rs8_ecoli	ulaR	rpsH
P0A7X3	ular_ecoli	rs9_ecoli	ulaR	rpsI
P77802	ular_ecoli	yagx_ecoli	ulaR	yagX
P66948	ular_ecoli	yfgc_ecoli	ulaR	yfgC
P76578	ular_ecoli	yfhm_ecoli	ulaR	yfhM
P67660	ular_ecoli	yhaj_ecoli	ulaR	yhaJ
P76092	ular_ecoli	ynbc_ecoli	ulaR	ynbC
P0ACJ0	upp_ecoli	lrp_ecoli	upp	lrp
P15288	upp_ecoli	pepd_ecoli	upp	pepD
P08179	upp_ecoli	pur3_ecoli	upp	purN
P0AG44	upp_ecoli	rl17_ecoli	upp	rplQ
P38054	usg_ecoli	cusa_ecoli	usg	cusA
P0CE47	usg_ecoli	eftu1_ecoli	usg	tufA
P0CE47	usg_ecoli	eftu1_ecoli	usg	tufA
P21599	usg_ecoli	kpyk2_ecoli	usg	pykA
P0AFG0	usg_ecoli	nusg_ecoli	usg	nusG

P0AFG0	usg_ecoli	nusg_ecoli	usg	nusG
P0A799	usg_ecoli	pgk_ecoli	usg	pgk
P0A7K2	usg_ecoli	rl7_ecoli	usg	rpIL
P0A7Z4	usg_ecoli	rpoa_ecoli	usg	rpoA
P0A8V2	usg_ecoli	rpob_ecoli	usg	rpoB
P0A8T7	usg_ecoli	rpoc_ecoli	usg	rpoC
P0A8T7	usg_ecoli	rpoc_ecoli	usg	rpoC
P0A8T7	usg_ecoli	rpoc_ecoli	usg	rpoC
P0A7V3	usg_ecoli	rs3_ecoli	usg	rpsC
P0ACT6	usg_ecoli	uidr_ecoli	usg	uidR
P77395	usg_ecoli	ybbn_ecoli	usg	ybbN
P0ADE8	usg_ecoli	ygfz_ecoli	usg	ygfZ
P0ADK6	usg_ecoli	yiba_ecoli	usg	yibA
P32701	usg_ecoli	yjcc_ecoli	usg	yjcC
P0ACG1	uspa_ecoli	stpa_ecoli	uspA	stpA
P30176	uspa_ecoli	ybia_ecoli	uspA	ybiA
P0ADK8	uspa_ecoli	yibl_ecoli	uspA	yibL
P0ABE7	uspf_ecoli	c562_ecolx	uspF	cybC
P0A6Y8	uspf_ecoli	dnak_ecoli	uspF	dnaK
P0ABC7	uspf_ecoli	hflk_ecoli	uspF	hflK
P39347	uspf_ecoli	intb_ecoli	uspF	intB
P77188	uspf_ecoli	matc_ecoli	uspF	matC
P18843	uspf_ecoli	nade_ecoli	uspF	nadE
P76078	uspf_ecoli	paab_ecoli	uspF	paaB
P02413	uspf_ecoli	rl15_ecoli	uspF	rpIO
P0A7K6	uspf_ecoli	rl19_ecoli	uspF	rpIS
P60723	uspf_ecoli	rl4_ecoli	uspF	rpID
P62399	uspf_ecoli	rl5_ecoli	uspF	rpIE
P0AA39	uspf_ecoli	rluc_ecoli	uspF	rluC
P0A7S9	uspf_ecoli	rs13_ecoli	uspF	rpsM
P0A7X3	uspf_ecoli	rs9_ecoli	uspF	rpsI
P0AG86	uspf_ecoli	secb_ecoli	uspF	secB
P80644	uspf_ecoli	ssue_ecoli	uspF	ssuE
P0ACJ5	uspf_ecoli	ybao_ecoli	uspF	ybaO
P0AB43	uspf_ecoli	ycgl_ecoli	uspF	ycgL
P52128	uspf_ecoli	yfjm_ecoli	uspF	yfjM
P35340	uspg_ecoli	ahpf_ecoli	uspG	ahpF
P0ABB0	uspg_ecoli	atpa_ecoli	uspG	atpA

P00722	uspg_ecoli	bgal_ecoli	uspG	lacZ
P0A6F1	uspg_ecoli	cara_ecoli	uspG	carA
P0A6F5	uspg_ecoli	ch60_ecoli	uspG	groL
P0A6F5	uspg_ecoli	ch60_ecoli	uspG	groL
P0A6F5	uspg_ecoli	ch60_ecoli	uspG	groL
P0A6J5	uspg_ecoli	dada_ecoli	uspG	dadA
P0AC41	uspg_ecoli	dhsa_ecoli	uspG	sdhA
P08622	uspg_ecoli	dnaj_ecoli	uspG	dnaJ
P08622	uspg_ecoli	dnaj_ecoli	uspG	dnaJ
P0A6Y8	uspg_ecoli	dnak_ecoli	uspG	dnaK
P0A6Y8	uspg_ecoli	dnak_ecoli	uspG	dnaK
P10443	uspg_ecoli	dpo3a_ecoli	uspG	dnaE
P0CE47	uspg_ecoli	eftu1_ecoli	uspG	tufA
P13035	uspg_ecoli	glpd_ecoli	uspG	glpD
P67910	uspg_ecoli	hldd_ecoli	uspG	hldD
P22523	uspg_ecoli	mukb_ecoli	uspG	mukB
P23538	uspg_ecoli	ppsa_ecoli	uspG	ppsA
P09546	uspg_ecoli	puta_ecoli	uspG	putA
P0ADZ0	uspg_ecoli	rl23_ecoli	uspG	rplW
P0A7K2	uspg_ecoli	rl7_ecoli	uspG	rplL
P0A8V2	uspg_ecoli	rpob_ecoli	uspG	rpoB
P0A8T7	uspg_ecoli	rpoc_ecoli	uspG	rpoC
P10408	uspg_ecoli	seca_ecoli	uspG	secA
P0AG86	uspg_ecoli	secb_ecoli	uspG	secB
P00944	uspg_ecoli	xyla_ecoli	uspG	xylA
P75838	uspg_ecoli	ycao_ecoli	uspG	ycaO
P25553	uup_ecoli	alda_ecoli	uup	aldA
P18843	uup_ecoli	nade_ecoli	uup	nadE
P0A8N3	uup_ecoli	syk1_ecoli	uup	lysS
Q47536	uup_ecoli	yaip_ecoli	uup	yaiP
P76069	uup_ecoli	yday_ecoli	uup	ydaY
P37774	uup_ecoli	yecc_ecoli	uup	yecC
P76440	uup_ecoli	yeit_ecoli	uup	yeiT
P0A6Y8	uvra_ecoli	dnak_ecoli	uvrA	dnaK
P09152	uvra_ecoli	narg_ecoli	uvrA	narG
P19319	uvra_ecoli	narz_ecoli	uvrA	narZ
P0A9Y6	uvrc_ecoli	cspc_ecoli	uvrC	cspC
P0ACF0	uvrc_ecoli	dbha_ecoli	uvrC	hupA
P76128	uvrc_ecoli	ddpa_ecoli	uvrC	ddpA
P0A9P0	uvrc_ecoli	dldh_ecoli	uvrC	lpdA
P0A9P0	uvrc_ecoli	dldh_ecoli	uvrC	lpdA
P0AC55	uvrc_ecoli	glnk_ecoli	uvrC	glnK

P0AFG3	uvrc_ecoli	odo1_ecoli	uvrC	sucA
P0AFG6	uvrc_ecoli	odo2_ecoli	uvrC	sucB
P0AFG8	uvrc_ecoli	odp1_ecoli	uvrC	aceE
P07001	uvrc_ecoli	pnta_ecoli	uvrC	pntA
P0A7L0	uvrc_ecoli	rl1_ecoli	uvrC	rplA
P0A7L0	uvrc_ecoli	rl1_ecoli	uvrC	rplA
P0AA10	uvrc_ecoli	rl13_ecoli	uvrC	rplM
P0ADY3	uvrc_ecoli	rl14_ecoli	uvrC	rplN
P0A7K6	uvrc_ecoli	rl19_ecoli	uvrC	rplS
P60422	uvrc_ecoli	rl2_ecoli	uvrC	rplB
P60422	uvrc_ecoli	rl2_ecoli	uvrC	rplB
P0A7L3	uvrc_ecoli	rl20_ecoli	uvrC	rplT
P0AG48	uvrc_ecoli	rl21_ecoli	uvrC	rplU
P61175	uvrc_ecoli	rl22_ecoli	uvrC	rplV
P68919	uvrc_ecoli	rl25_ecoli	uvrC	rplY
P0A7M2	uvrc_ecoli	rl28_ecoli	uvrC	rpmB
P60438	uvrc_ecoli	rl3_ecoli	uvrC	rplC
P60438	uvrc_ecoli	rl3_ecoli	uvrC	rplC
P60723	uvrc_ecoli	rl4_ecoli	uvrC	rplD
P0A7R1	uvrc_ecoli	rl9_ecoli	uvrC	rplI
P0AG67	uvrc_ecoli	rs1_ecoli	uvrC	rpsA
P0A7R5	uvrc_ecoli	rs10_ecoli	uvrC	rpsJ
P0A7R9	uvrc_ecoli	rs11_ecoli	uvrC	rpsK
P0A7S3	uvrc_ecoli	rs12_ecoli	uvrC	rpsL
P0A7S9	uvrc_ecoli	rs13_ecoli	uvrC	rpsM
P0A7S9	uvrc_ecoli	rs13_ecoli	uvrC	rpsM
P0AG59	uvrc_ecoli	rs14_ecoli	uvrC	rpsN
P0ADZ4	uvrc_ecoli	rs15_ecoli	uvrC	rpsO
P0A7T7	uvrc_ecoli	rs18_ecoli	uvrC	rpsR
P0A7U3	uvrc_ecoli	rs19_ecoli	uvrC	rpsS
P0A7V0	uvrc_ecoli	rs2_ecoli	uvrC	rpsB
P0A7U7	uvrc_ecoli	rs20_ecoli	uvrC	rpsT
P0A7V3	uvrc_ecoli	rs3_ecoli	uvrC	rpsC
P0A7V3	uvrc_ecoli	rs3_ecoli	uvrC	rpsC
P0A7V8	uvrc_ecoli	rs4_ecoli	uvrC	rpsD
P0A7V8	uvrc_ecoli	rs4_ecoli	uvrC	rpsD
P0A7W1	uvrc_ecoli	rs5_ecoli	uvrC	rpsE
P02358	uvrc_ecoli	rs6_ecoli	uvrC	rpsF
P02359	uvrc_ecoli	rs7_ecoli	uvrC	rpsG
P02359	uvrc_ecoli	rs7_ecoli	uvrC	rpsG
P0A7W7	uvrc_ecoli	rs8_ecoli	uvrC	rpsH
P77172	uvrc_ecoli	yfgf_ecoli	uvrC	yfgF
P07021	uvrc_ecoli	yfib_ecoli	uvrC	yfiB
P0AGJ5	uvrc_ecoli	yfif_ecoli	uvrC	yfiF
P0AGK4	uvrc_ecoli	yhby_ecoli	uvrC	yhbY

P31806	uvrc_ecoli	yjef_ecoli	uvrC	yjeF
P18843	uxub_ecoli	nade_ecoli	uxuB	nadE
P08400	uxub_ecoli	phor_ecoli	uxuB	phoR
P33593	wrba_ecoli	nikd_ecoli	wrbA	nikD
P23836	wrba_ecoli	phop_ecoli	wrbA	phoP
P0A6A8	xerd_ecoli	acp_ecoli	xerD	acpP
P0A717	xerd_ecoli	kprs_ecoli	xerD	prs
P22523	xerd_ecoli	mukb_ecoli	xerD	mukB
P0AG44	xerd_ecoli	rl17_ecoli	xerD	rplQ
P0A7X3	xerd_ecoli	rs9_ecoli	xerD	rpsI
P39321	xerd_ecoli	ytfn_ecoli	xerD	ytfN
P0A901	xgpt_ecoli	blc_ecoli	gpt	blc
P0A6F5	yadg_ecoli	ch60_ecoli	yadG	groL
P13035	yadg_ecoli	glpd_ecoli	yadG	glpD
P11557	yaet_ecoli	damx_ecoli	yaet	damX
P0A7B1	yafc_ecoli	ppk_ecoli	yafC	ppk
P00722	yagi_ecoli	bgal_ecoli	yagI	lacZ
P06611	yagi_ecoli	btud_ecoli	yagI	btuD
P24183	yagi_ecoli	fdng_ecoli	yagI	fdnG
P50457	yagi_ecoli	puue_ecoli	yagI	puuE
P0A9W3	yagi_ecoli	yjjk_ecoli	yagI	yjjK
P0A6Y8	yagl_ecoli	dnak_ecoli	yagL	dnaK
P0A7U7	yagl_ecoli	rs20_ecoli	yagL	rpsT
P0A9K9	yagl_ecoli	slyd_ecoli	yagL	slyD

P0A9D8	yaha_ecoli	dapd_ecoli	yahA	dapD
P0A7L0	yaha_ecoli	rl1_ecoli	yahA	rplA
P0A7X3	yaha_ecoli	rs9_ecoli	yahA	rpsI
P22523	yahk_ecoli	mukb_ecoli	yahK	mukB
P18843	yahk_ecoli	nade_ecoli	yahK	nadE
P0ABL5	yahk_ecoli	napc_ecoli	yahK	napC
P0AG44	yahk_ecoli	rl17_ecoli	yahK	rplQ
P0AAQ6	yahk_ecoli	ybaa_ecoli	yahK	ybaA
P18843	yail_ecoli	nade_ecoli	yaiL	nadE
P0A843	yail_ecoli	tate_ecoli	yaiL	tatE
P37750	yail_ecoli	wbbj_ecoli	yaiL	wbbJ
P0ADZ7	yajc_ecoli	yajc_ecoli	yajC	yajC
P0A988	yajq_ecoli	dpo3b_ecoli	yajQ	dnaN
P0A9P6	ybab_ecoli	dead_ecoli	ybaB	deaD
P27294	ybab_ecoli	inaa_ecoli	ybaB	inaA
P39347	ybab_ecoli	intb_ecoli	ybaB	intB
P18843	ybab_ecoli	nade_ecoli	ybaB	nadE
P0A7L3	ybab_ecoli	rl20_ecoli	ybaB	rplT
P77377	ybab_ecoli	wzxc_ecoli	ybaB	wzxC
P0AB52	ybab_ecoli	ychn_ecoli	ybaB	ychN
P76261	ybcd_ecoli	adrb_ecoli	ybcD	adrB
P0ABB0	ybch_ecoli	atpa_ecoli	ybcH	atpA
P0A6F5	ybch_ecoli	ch60_ecoli	ybcH	groL
P00895	ybch_ecoli	trpe_ecoli	ybcH	trpE
P64572	ybch_ecoli	yghr_ecoli	ybcH	yghR
P0A6F5	ybcm_ecoli	ch60_ecoli	ybcM	groL
P17846	ybcm_ecoli	cysi_ecoli	ybcM	cysI
P0A9A9	ybcm_ecoli	fur_ecoli	ybcM	fur
P0A772	ybcm_ecoli	nrdi_ecoli	ybcM	nrdI
P0A7J3	ybcm_ecoli	rl10_ecoli	ybcM	rplJ
P0AG44	ybcm_ecoli	rl17_ecoli	ybcM	rplQ
P0A7M2	ybcm_ecoli	rl28_ecoli	ybcM	rpmB
P0A7T7	ybcm_ecoli	rs18_ecoli	ybcM	rpsR
Q47622	ybcm_ecoli	sapa_ecoli	ybcM	sapA

P0AAH8	ybcm_ecoli	sapf_ecoli	ybcM	sapF
P0AB61	ybcm_ecoli	ycin_ecoli	ybcM	ycin
P0A6H1	ybed_ecoli	clpx_ecoli	ybeD	clpX
P0CE47	ybed_ecoli	eftu1_ecoli	ybeD	tufA
P0A9A9	ybed_ecoli	fur_ecoli	ybeD	fur
P18843	ybed_ecoli	nade_ecoli	ybeD	nadE
P0A8V2	ybed_ecoli	rpob_ecoli	ybeD	rpoB
P0A8T7	ybed_ecoli	rpoc_ecoli	ybeD	rpoC
P45751	ybed_ecoli	yrfb_ecoli	ybeD	yrfB
P0A6A8	ybgc_ecoli	acp_ecoli	ybgC	acpP
O32591	ybgc_ecoli	espp_ecolx	ybgC	espP
O32591	ybgc_ecoli	espp_ecolx	ybgC	espP
O32591	ybgc_ecoli	espp_ecolx	ybgC	espP
P0A7A7	ybgc_ecoli	plsb_ecoli	ybgC	plsB
P0A7A7	ybgc_ecoli	plsb_ecoli	ybgC	plsB
P27247	ybgc_ecoli	plsx_ecoli	ybgC	plsX
P60422	ybgc_ecoli	rl2_ecoli	ybgC	rplB
P0ADZ0	ybgc_ecoli	rl23_ecoli	ybgC	rplW
P60438	ybgc_ecoli	rl3_ecoli	ybgC	rplC
P0A7V8	ybgc_ecoli	rs4_ecoli	ybgC	rpsD
P10408	ybgc_ecoli	seca_ecoli	ybgC	secA
P10408	ybgc_ecoli	seca_ecoli	ybgC	secA
P0AG24	ybgc_ecoli	spot_ecoli	ybgC	spoT
P76092	ybgc_ecoli	ynbc_ecoli	ybgC	ynbC
P0A9Q1	ybgi_ecoli	arca_ecoli	ybgl	arcA
P0ACG1	ybgi_ecoli	stpa_ecoli	ybgl	stpA
Q46942	ybgi_ecoli	yqei_ecoli	ybgl	yqel
Q46856	ybgi_ecoli	yqhd_ecoli	ybgl	yqhD
P0ADS2	ybgi_ecoli	zapa_ecoli	ybgl	zapA
P0A6F5	ybgj_ecoli	ch60_ecoli	ybgJ	groL
P0AC53	ybgj_ecoli	g6pd_ecoli	ybgJ	zwf
P42911	ybgj_ecoli	ptpd_ecoli	ybgJ	agaD
P0A6F5	ybgk_ecoli	ch60_ecoli	ybgK	groL
P50465	ybgk_ecoli	end8_ecoli	ybgK	nei
P04079	ybgk_ecoli	guaa_ecoli	ybgK	guaA
P28912	ybgk_ecoli	yhhi_ecoli	ybgK	yhhi

POA6Y8	ybis_ecoli	dnak_ecoli	ybiS	dnaK
POA6Z3	ybis_ecoli	htpg_ecoli	ybiS	htpG
POA9M0	ybjd_ecoli	lon_ecoli	ybjD	lon
P60422	ybjd_ecoli	rl2_ecoli	ybjD	rplB
POACM5	ybjd_ecoli	yegw_ecoli	ybjD	yegW
P67910	ybjq_ecoli	hldd_ecoli	ybjQ	hldD
P05052	ybjx_ecoli	appy_ecoli	ybjX	appY
POA6F5	ybjx_ecoli	ch60_ecoli	ybjX	groL
POACF0	ybjx_ecoli	dbha_ecoli	ybjX	hupA
POACF4	ybjx_ecoli	dbhb_ecoli	ybjX	hupB
POA9P0	ybjx_ecoli	dldh_ecoli	ybjX	lpdA
P08622	ybjx_ecoli	dnaj_ecoli	ybjX	dnaJ
POCE47	ybjx_ecoli	eftu1_ecoli	ybjX	tufA
POCE47	ybjx_ecoli	eftu1_ecoli	ybjX	tufA
P67910	ybjx_ecoli	hldd_ecoli	ybjX	hldD
P06722	ybjx_ecoli	muth_ecoli	ybjX	mutH
P06959	ybjx_ecoli	odp2_ecoli	ybjX	aceF
POAFI9	ybjx_ecoli	perm_ecoli	ybjX	perM
P23830	ybjx_ecoli	pss_ecoli	ybjX	pssA
POA7L0	ybjx_ecoli	rl1_ecoli	ybjX	rplA
POA7L0	ybjx_ecoli	rl1_ecoli	ybjX	rplA
POA7J3	ybjx_ecoli	rl10_ecoli	ybjX	rplJ
POAA10	ybjx_ecoli	rl13_ecoli	ybjX	rplM
POAA10	ybjx_ecoli	rl13_ecoli	ybjX	rplM
P02413	ybjx_ecoli	rl15_ecoli	ybjX	rplO
POAG44	ybjx_ecoli	rl17_ecoli	ybjX	rplQ
POA7K6	ybjx_ecoli	rl19_ecoli	ybjX	rplS
P60422	ybjx_ecoli	rl2_ecoli	ybjX	rplB
P60422	ybjx_ecoli	rl2_ecoli	ybjX	rplB
P60422	ybjx_ecoli	rl2_ecoli	ybjX	rplB
POA7L3	ybjx_ecoli	rl20_ecoli	ybjX	rplT
POAG48	ybjx_ecoli	rl21_ecoli	ybjX	rplU
P61175	ybjx_ecoli	rl22_ecoli	ybjX	rplV
P60624	ybjx_ecoli	rl24_ecoli	ybjX	rplX
POA7M2	ybjx_ecoli	rl28_ecoli	ybjX	rpmB

P0A7M6	ybjx_ecoli	rl29_ecoli	ybjX	rpmC
P60438	ybjx_ecoli	rl3_ecoli	ybjX	rpIC
P60438	ybjx_ecoli	rl3_ecoli	ybjX	rpIC
P0A7N9	ybjx_ecoli	rl33_ecoli	ybjX	rpmG
P60723	ybjx_ecoli	rl4_ecoli	ybjX	rpID
P60723	ybjx_ecoli	rl4_ecoli	ybjX	rpID
P62399	ybjx_ecoli	rl5_ecoli	ybjX	rpIE
P62399	ybjx_ecoli	rl5_ecoli	ybjX	rpIE
P0AG55	ybjx_ecoli	rl6_ecoli	ybjX	rpIF
P0AG55	ybjx_ecoli	rl6_ecoli	ybjX	rpIF
P0A7K2	ybjx_ecoli	rl7_ecoli	ybjX	rpIL
P0A7R1	ybjx_ecoli	rl9_ecoli	ybjX	rpII
P37765	ybjx_ecoli	rlub_ecoli	ybjX	rluB
P21499	ybjx_ecoli	rnrc_ecoli	ybjX	rnrc
P0A8T7	ybjx_ecoli	rpoc_ecoli	ybjX	rpocC
P0AG67	ybjx_ecoli	rs1_ecoli	ybjX	rpsA
P0AG67	ybjx_ecoli	rs1_ecoli	ybjX	rpsA
P0A7S9	ybjx_ecoli	rs13_ecoli	ybjX	rpsM
P0A7U3	ybjx_ecoli	rs19_ecoli	ybjX	rpsS
P0A7V0	ybjx_ecoli	rs2_ecoli	ybjX	rpsB
P0A7V0	ybjx_ecoli	rs2_ecoli	ybjX	rpsB
P0A7U7	ybjx_ecoli	rs20_ecoli	ybjX	rpsT
P0A7V3	ybjx_ecoli	rs3_ecoli	ybjX	rpsC
P0A7V3	ybjx_ecoli	rs3_ecoli	ybjX	rpsC
P0A7V8	ybjx_ecoli	rs4_ecoli	ybjX	rpsD
P0A7W1	ybjx_ecoli	rs5_ecoli	ybjX	rpsE
P02358	ybjx_ecoli	rs6_ecoli	ybjX	rpsF
P02359	ybjx_ecoli	rs7_ecoli	ybjX	rpsG
P02359	ybjx_ecoli	rs7_ecoli	ybjX	rpsG
P21507	ybjx_ecoli	srmb_ecoli	ybjX	srmb
P08245	ybjx_ecoli	ycih_ecoli	ybjX	yciH
P09546	ycac_ecoli	puta_ecoli	ycaC	putA
P0A843	ycac_ecoli	tate_ecoli	ycaC	tatE
P32721	ycao_ecoli	alsa_ecoli	ycaO	alsA
P0A7M6	ycao_ecoli	rl29_ecoli	ycaO	rpmC
P0AFG6	ycbb_ecoli	odo2_ecoli	ycbB	sucB
P0A9N4	ycbg_ecoli	pfla_ecoli	ycbG	pflA
P0A7L0	ycbg_ecoli	rl1_ecoli	ycbG	rpIA
P60422	ycbg_ecoli	rl2_ecoli	ycbG	rpIB
P0A7W1	ycbg_ecoli	rs5_ecoli	ycbG	rpsE
P39306	ycbg_ecoli	ulaf_ecoli	ycbG	ulaF

P75989	ycbg_ecoli	ycge_ecoli	ycbG	ycgE
P06974	ydbl_ecoli	flim_ecoli	ycbL	fliM
P0AFG3	ydbl_ecoli	odo1_ecoli	ycbL	sucA
P77554	ydbl_ecoli	yahj_ecoli	ycbL	yahJ
P0A7K2	yccu_ecoli	rl7_ecoli	yccU	rplL
P31680	yced_ecoli	djla_ecoli	yceD	djIA
P0ACF8	yced_ecoli	hns_ecoli	yceD	hns
P22523	yced_ecoli	mukb_ecoli	yceD	mukB
P15288	yced_ecoli	pepd_ecoli	yceD	pepD
P0AG44	yced_ecoli	rl17_ecoli	yceD	rplQ
P62399	yced_ecoli	rl5_ecoli	yceD	rplE
P0AG55	yced_ecoli	rl6_ecoli	yceD	rplF
P0A7R5	yced_ecoli	rs10_ecoli	yceD	rpsJ
P0A7V3	yced_ecoli	rs3_ecoli	yceD	rpsC
P0A7X3	yced_ecoli	rs9_ecoli	yceD	rpsI
P0A717	ycfd_ecoli	kprs_ecoli	ycfD	prs
P0AFD1	ycfd_ecoli	nuoe_ecoli	ycfD	nuoE
P31663	ycfd_ecoli	panc_ecoli	ycfD	panC
P09373	ycfd_ecoli	pflb_ecoli	ycfD	pflB
P0ADY7	ycfd_ecoli	rl16_ecoli	ycfD	rplP
P0AG44	ycfd_ecoli	rl17_ecoli	ycfD	rplQ
P60422	ycfd_ecoli	rl2_ecoli	ycfD	rplB
P0A8I8	ycfd_ecoli	rlmh_ecoli	ycfD	rlmH
P0A7V3	ycfd_ecoli	rs3_ecoli	ycfD	rpsC
P0A7X3	ycfd_ecoli	rs9_ecoli	ycfD	rpsI
P76154	ycfd_ecoli	ydfk_ecoli	ycfD	ydfK
P76073	ycfd_ecoli	ynae_ecoli	ycfD	ynaE
P0A6F5	ycgb_ecoli	ch60_ecoli	ycgB	groL
P30128	ycgb_ecoli	greb_ecoli	ycgB	greB
P60422	ycgb_ecoli	rl2_ecoli	ycgB	rplB
P0AED5	ycgb_ecoli	uvry_ecoli	ycgB	uvrY

P0A6F5	ychj_ecoli	ch60_ecoli	ychJ	groL
P24251	ychj_ecoli	crl_ecoli	ychJ	crl
P24183	ychj_ecoli	fdng_ecoli	ychJ	fdnG
P0ACF8	ychj_ecoli	hns_ecoli	ychJ	hns
P23482	ychj_ecoli	hyfb_ecoli	ychJ	hyfB
P71229	ychj_ecoli	hyfr_ecoli	ychJ	hyfR
P75679	ychj_ecoli	insn1_ecoli	ychJ	insN1
P62620	ychj_ecoli	ispG_ecoli	ychJ	ispG
P0AEZ3	ychj_ecoli	mind_ecoli	ychJ	minD
P54746	ychj_ecoli	mngb_ecoli	ychJ	mngB
P19319	ychj_ecoli	narz_ecoli	ychJ	narZ
P0A772	ychj_ecoli	nrDI_ecoli	ychJ	nrDI
P0A7E1	ychj_ecoli	pyrD_ecoli	ychJ	pyrD
P0A7L0	ychj_ecoli	rl1_ecoli	ychJ	rplA
P60422	ychj_ecoli	rl2_ecoli	ychJ	rplB
P60723	ychj_ecoli	rl4_ecoli	ychJ	rplD
P62399	ychj_ecoli	rl5_ecoli	ychJ	rplE
P0A7V0	ychj_ecoli	rs2_ecoli	ychJ	rpsB
P0A7V3	ychj_ecoli	rs3_ecoli	ychJ	rpsC
P0A7V8	ychj_ecoli	rs4_ecoli	ychJ	rpsD
P0A7X3	ychj_ecoli	rs9_ecoli	ychJ	rpsI
P38104	ychj_ecoli	rspa_ecoli	ychJ	rspA
P0A9K9	ychj_ecoli	slyD_ecoli	ychJ	slyD
P77718	ychj_ecoli	thiI_ecoli	ychJ	thiI
P0A9T6	ychj_ecoli	ybaQ_ecoli	ychJ	ybaQ
P52052	ychj_ecoli	yggR_ecoli	ychJ	yggR
P60785	yciu_ecoli	lepA_ecoli	yciU	lepA
P0AFG8	yciu_ecoli	odp1_ecoli	yciU	aceE
P0AFG8	yciu_ecoli	odp1_ecoli	yciU	aceE
P06959	yciu_ecoli	odp2_ecoli	yciU	aceF
P0AG44	yciu_ecoli	rl17_ecoli	yciU	rplQ
P0A7R5	yciu_ecoli	rs10_ecoli	yciU	rpsJ
P0AC41	ycjw_ecoli	dhsA_ecoli	ycjW	sdhA
P18843	ycjw_ecoli	nadE_ecoli	ycjW	nadE
P52125	ycjw_ecoli	yfjJ_ecoli	ycjW	yfjJ
P0A717	ycjz_ecoli	kprs_ecoli	ycjZ	prs

P60422	ycjz_ecoli	rl2_ecoli	ycjZ	rplB
P36999	ycjz_ecoli	rlma_ecoli	ycjZ	rlmA
P0A7V0	ycjz_ecoli	rs2_ecoli	ycjZ	rpsB
P76419	ycjz_ecoli	yegv_ecoli	ycjZ	yegV
P33997	ydae_ecoli	alpa_ecoli	ydaE	alpA
P18843	ydae_ecoli	nade_ecoli	ydaE	nadE
P60422	ydae_ecoli	rl2_ecoli	ydaE	rplB
P0AA43	ydae_ecoli	rsua_ecoli	ydaE	rsuA
P0A6Y8	yday_ecoli	dnak_ecoli	ydaY	dnaK
P18843	yday_ecoli	nade_ecoli	ydaY	nadE
P0AG55	yday_ecoli	rl6_ecoli	ydaY	rplF
P0A6F5	ydcr_ecoli	ch60_ecoli	ydcR	groL
P09831	ydde_ecoli	gltb_ecoli	yddE	gltB
P30958	ydde_ecoli	mfd_ecoli	yddE	mfd
P18843	ydde_ecoli	nade_ecoli	yddE	nadE
P0A8V2	ydde_ecoli	rpob_ecoli	yddE	rpoB
P76578	ydde_ecoli	yfhm_ecoli	yddE	yfhM
P31224	ydfg_ecoli	acrb_ecoli	ydfG	acrB
P35340	ydfg_ecoli	ahpf_ecoli	ydfG	ahpF
P00722	ydfg_ecoli	bgal_ecoli	ydfG	lacZ
P0A6F5	ydfg_ecoli	ch60_ecoli	ydfG	groL
P18843	ydfg_ecoli	nade_ecoli	ydfG	nadE
P20966	ydfg_ecoli	ptfbc_ecoli	ydfG	fruA
P16916	ydfg_ecoli	rhsa_ecoli	ydfG	rhsA
P00722	ydfz_ecoli	bgal_ecoli	ydfZ	lacZ
P54746	ydfz_ecoli	mngb_ecoli	ydfZ	mngB
P18843	ydfz_ecoli	nade_ecoli	ydfZ	nadE

P0ABL5	ydfz_ecoli	napc_ecoli	ydfZ	napC
P15288	ydfz_ecoli	pepd_ecoli	ydfZ	pepD
P09373	ydfz_ecoli	pflb_ecoli	ydfZ	pflB
P31828	ydfz_ecoli	pqqL_ecoli	ydfZ	pqqL
P0AAS9	ydfz_ecoli	ybdd_ecoli	ydfZ	ybdD
P77536	ydfz_ecoli	ykgf_ecoli	ydfZ	ykgF

P0A6Y8	ydhq_ecoli	dnak_ecoli	ydhQ	dnaK
P0A6M8	ydhq_ecoli	efg_ecoli	ydhQ	fusA
P0A9P9	ydhq_ecoli	idno_ecoli	ydhQ	idnO
P0AF06	ydhq_ecoli	motb_ecoli	ydhQ	motB
P18843	ydhq_ecoli	nade_ecoli	ydhQ	nadE
P0A763	ydhq_ecoli	ndk_ecoli	ydhQ	ndk
P0AFA5	ydhq_ecoli	nfrb_ecoli	ydhQ	nfrB
P27129	ydhq_ecoli	rfaj_ecoli	ydhQ	rfaj
P0A7L0	ydhq_ecoli	rl1_ecoli	ydhQ	rpIA
P0A7J7	ydhq_ecoli	rl11_ecoli	ydhQ	rpIK
P0ADY3	ydhq_ecoli	rl14_ecoli	ydhQ	rpIN
P0A7V0	ydhq_ecoli	rs2_ecoli	ydhQ	rpsB
P43672	ydhq_ecoli	uup_ecoli	ydhQ	uup
P08245	ydhq_ecoli	ycih_ecoli	ydhQ	yciH

P0A6Y8	ydhr_ecoli	dnak_ecoli	ydhR	dnaK
P0A6Y8	ydhr_ecoli	dnak_ecoli	ydhR	dnaK
P0A988	ydhr_ecoli	dpo3b_ecoli	ydhR	dnaN

P0CE47	ydiH_ecoli	eftu1_ecoli	ydiH	tufA
P67910	ydiH_ecoli	hldd_ecoli	ydiH	hldD
P37692	ydiH_ecoli	rfaf_ecoli	ydiH	rfaF
P0A7V3	ydiH_ecoli	rs3_ecoli	ydiH	rpsC
P0A7W1	ydiH_ecoli	rs5_ecoli	ydiH	rpsE
P02359	ydiH_ecoli	rs7_ecoli	ydiH	rpsG
P0AG24	ydiH_ecoli	spot_ecoli	ydiH	spoT
P0A850	ydiH_ecoli	tig_ecoli	ydiH	tig
P76092	ydiH_ecoli	ynbc_ecoli	ydiH	ynbC

P30859	ydja_ecoli	arti_ecoli	ydjA	arti
P76290	ydja_ecoli	cmoa_ecoli	ydjA	cmoA
P0A6Y8	ydja_ecoli	dnak_ecoli	ydjA	dnaK

P03023	ydja_ecoli	laci_ecoli	ydjA	lacI
P33345	ydja_ecoli	molr_ecoli	ydjA	yehH
P33228	ydja_ecoli	rect_ecoli	ydjA	recT
P0A7V8	ydja_ecoli	rs4_ecoli	ydjA	rpsD
P0AA43	ydja_ecoli	rsua_ecoli	ydjA	rsuA
P67660	ydja_ecoli	yhaj_ecoli	ydjA	yhaJ
P0A9P0	ydjf_ecoli	dldh_ecoli	ydjF	lpdA
P0A6Y8	ydjf_ecoli	dnak_ecoli	ydjF	dnaK
P0ACF8	ydjf_ecoli	hns_ecoli	ydjF	hns
P0A6H5	ydjf_ecoli	hslu_ecoli	ydjF	hslU
P0A717	ydjf_ecoli	kprs_ecoli	ydjF	prs
P0A9M0	ydjf_ecoli	lon_ecoli	ydjF	lon
P0A9X4	ydjf_ecoli	mreb_ecoli	ydjF	mreB
P0AFG6	ydjf_ecoli	odo2_ecoli	ydjF	sucB
P0A7G6	ydjf_ecoli	reca_ecoli	ydjF	recA
P0ADY3	ydjf_ecoli	rl14_ecoli	ydjF	rpIN
P0ACIO	ydjf_ecoli	rob_ecoli	ydjF	rob
P0A7V8	ydjf_ecoli	rs4_ecoli	ydjF	rpsD
P21889	ydjf_ecoli	syd_ecoli	ydjF	aspS
P04152	ydjf_ecoli	umuc_ecoli	ydjF	umuC
P18843	yead_ecoli	nade_ecoli	yeaD	nadE
P28722	yead_ecoli	yhca_ecoli	yeaD	yhcA
P15723	yeag_ecoli	dgtp_ecoli	yeaG	dgt
P0A988	yeag_ecoli	dpo3b_ecoli	yeaG	dnaN
P76056	yeag_ecoli	intr_ecoli	yeaG	intR
P18843	yeag_ecoli	nade_ecoli	yeaG	nadE
P51981	yeak_ecoli	aep_ecoli	yeaK	ycjG
P0A6F5	yeak_ecoli	ch60_ecoli	yeaK	groL
P0A6B7	yeak_ecoli	iscs_ecoli	yeaK	iscS
P0A717	yeak_ecoli	kprs_ecoli	yeaK	prs
P0A9X4	yeak_ecoli	mreb_ecoli	yeaK	mreB
P18843	yeak_ecoli	nade_ecoli	yeaK	nadE
P15288	yeak_ecoli	pepd_ecoli	yeaK	pepD
P0AA43	yeak_ecoli	rsua_ecoli	yeaK	rsuA
P0AG14	yeak_ecoli	sohb_ecoli	yeaK	sohB
P07913	yeak_ecoli	tdh_ecoli	yeaK	tdh
P77221	yeak_ecoli	yahg_ecoli	yeaK	yahG
P06134	yeaz_ecoli	ada_ecoli	yeaZ	ada

P0A6D7	yeaz_ecoli	arok_ecoli	yeaZ	aroK
P76250	yeaz_ecoli	dmlr_ecoli	yeaZ	dmlR
P31574	yeaz_ecoli	fixb_ecoli	yeaZ	fixB
P05852	yeaz_ecoli	gcp_ecoli	yeaZ	gcp
P30140	yeaz_ecoli	thih_ecoli	yeaZ	thiH
P0AG80	yeaz_ecoli	ugpb_ecoli	yeaZ	ugpB
P76632	yeaz_ecoli	ygck_ecoli	yeaZ	ygck
P39342	yeaz_ecoli	yjgr_ecoli	yeaZ	yjgR

P0ABE7	yebc_ecoli	c562_ecolx	yebC	cybC
P0A6K3	yebc_ecoli	def_ecoli	yebC	def
P0AET5	yebc_ecoli	hded_ecoli	yebC	hdeD
P0A717	yebc_ecoli	kprs_ecoli	yebC	prs
P18843	yebc_ecoli	nade_ecoli	yebC	nadE
P0ABL5	yebc_ecoli	napc_ecoli	yebC	napC
P0ACP7	yebc_ecoli	purr_ecoli	yebC	purR
P50457	yebc_ecoli	puue_ecoli	yebC	puuE
P0AG44	yebc_ecoli	rl17_ecoli	yebC	rplQ
P0AG59	yebc_ecoli	rs14_ecoli	yebC	rpsN
P0A7X3	yebc_ecoli	rs9_ecoli	yebC	rpsI
P0A905	yebc_ecoli	slyb_ecoli	yebC	slyB
P0A9K9	yebc_ecoli	slyd_ecoli	yebC	slyD
P0ACG1	yebc_ecoli	stpa_ecoli	yebC	stpA
P11875	yebc_ecoli	syr_ecoli	yebC	argS
P31142	yebc_ecoli	thtm_ecoli	yebC	sseA

P0A6F5	yecC_ecoli	ch60_ecoli	yecC	groL
P0A9A9	yecC_ecoli	fur_ecoli	yecC	fur
P0A7W1	yecC_ecoli	rs5_ecoli	yecC	rpsE

P0A6Y8	yedn_ecoli	dnak_ecoli	yedN	dnaK
P18843	yedn_ecoli	nade_ecoli	yedN	nadE
P0AFJ5	yedn_ecoli	phob_ecoli	yedN	phoB

P0A6F5	yefg_ecoli	ch60_ecoli	yefG	groL
P76559	yefg_ecoli	ypfg_ecoli	yefG	ypfG

P25889	yeit_ecoli	yeia_ecoli	yeiT	yeiA
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P0A6F5	yeja_ecoli	ch60_ecoli	yejA	groL
P10408	yeja_ecoli	seca_ecoli	yejA	secA

P0A6F5	yfaa_ecoli	ch60_ecoli	yfaA	groL
P0AC41	yfaa_ecoli	dhsa_ecoli	yfaA	sdhA
P09832	yfaa_ecoli	gltD_ecoli	yfaA	gltD
P60422	yfaa_ecoli	rl2_ecoli	yfaA	rplB
P77698	yfaa_ecoli	ybck_ecoli	yfaA	ybckK

P0A6Y8	yfcb_ecoli	dnak_ecoli	yfcb	dnak
P76114	yfcb_ecoli	mcbR_ecoli	yfcb	mcbR
P60438	yfcb_ecoli	rl3_ecoli	yfcb	rplC
P60438	yfcb_ecoli	rl3_ecoli	yfcb	rplC
P0A7R5	yfcb_ecoli	rs10_ecoli	yfcb	rpsJ
P76072	yfcb_ecoli	stfr_ecoli	yfcb	stfR
P0A850	yfcb_ecoli	tig_ecoli	yfcb	tig
P0A850	yfcb_ecoli	tig_ecoli	yfcb	tig

P37330	yfcz_ecoli	masz_ecoli	yfcZ	glcB
P09373	yfcz_ecoli	pflb_ecoli	yfcZ	pflB
P0ADY7	yfcz_ecoli	rl16_ecoli	yfcZ	rplP
P60422	yfcz_ecoli	rl2_ecoli	yfcZ	rplB
P0A7V3	yfcz_ecoli	rs3_ecoli	yfcZ	rpsC
P39306	yfcz_ecoli	ulaf_ecoli	yfcZ	ulaF

P69407	yfgm_ecoli	rcsb_ecoli	yfgM	rcsB
P0AEB2	yfif_ecoli	daca_ecoli	yfiF	dacA
P0ACF0	yfif_ecoli	dbha_ecoli	yfiF	hupA
P0A9P6	yfif_ecoli	dead_ecoli	yfiF	deaD
P30128	yfif_ecoli	greb_ecoli	yfiF	greB
P28631	yfif_ecoli	holb_ecoli	yfiF	holB
P37182	yfif_ecoli	hybd_ecoli	yfiF	hybD
P0A6X7	yfif_ecoli	ihfa_ecoli	yfiF	ihfA
P33362	yfif_ecoli	osmf_ecoli	yfiF	osmF
P23830	yfif_ecoli	pss_ecoli	yfiF	pssA
P0A7L0	yfif_ecoli	rl1_ecoli	yfiF	rplA
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P0AG44	yfif_ecoli	rl17_ecoli	yfiF	rplQ
P0C018	yfif_ecoli	rl18_ecoli	yfiF	rplR
P60422	yfif_ecoli	rl2_ecoli	yfiF	rplB
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P0A7L3	yfif_ecoli	rl20_ecoli	yfiF	rplT
P61175	yfif_ecoli	rl22_ecoli	yfiF	rplV
P60438	yfif_ecoli	rl3_ecoli	yfiF	rplC
P60438	yfif_ecoli	rl3_ecoli	yfiF	rplC
P0AG55	yfif_ecoli	rl6_ecoli	yfiF	rplF
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P75864	yfif_ecoli	rlml_ecoli	yfiF	rlmL
P37765	yfif_ecoli	rlub_ecoli	yfiF	rluB
P0AA39	yfif_ecoli	rluc_ecoli	yfiF	rluC
P21499	yfif_ecoli	rnrc_ecoli	yfiF	rnrc
P0A7R9	yfif_ecoli	rs11_ecoli	yfiF	rpsK
P0A7S3	yfif_ecoli	rs12_ecoli	yfiF	rpsL
P0A7S9	yfif_ecoli	rs13_ecoli	yfiF	rpsM
P0A7S9	yfif_ecoli	rs13_ecoli	yfiF	rpsM
P0AG59	yfif_ecoli	rs14_ecoli	yfiF	rpsN
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P0A7T3	yfif_ecoli	rs16_ecoli	yfiF	rpsP
P0A7T7	yfif_ecoli	rs18_ecoli	yfiF	rpsR

P0A7U3	yfif_ecoli	rs19_ecoli	yfiF	rpsS
P0A7U7	yfif_ecoli	rs20_ecoli	yfiF	rpsT
P68679	yfif_ecoli	rs21_ecoli	yfiF	rpsU
P0A7V3	yfif_ecoli	rs3_ecoli	yfiF	rpsC
P0A7V8	yfif_ecoli	rs4_ecoli	yfiF	rpsD
P0A7V8	yfif_ecoli	rs4_ecoli	yfiF	rpsD
P0A7V8	yfif_ecoli	rs4_ecoli	yfiF	rpsD
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P02358	yfif_ecoli	rs6_ecoli	yfiF	rpsF
P02358	yfif_ecoli	rs6_ecoli	yfiF	rpsF
P02359	yfif_ecoli	rs7_ecoli	yfiF	rpsG
P02359	yfif_ecoli	rs7_ecoli	yfiF	rpsG
P0A7W7	yfif_ecoli	rs8_ecoli	yfiF	rpsH
P77499	yfif_ecoli	sufc_ecoli	yfiF	sufC
P75749	yfif_ecoli	ybgp_ecoli	yfiF	ybgP
P76578	yfif_ecoli	yfhm_ecoli	yfiF	yfhM

P31554	ygey_ecoli	lptd_ecoli	ygeY	lptD
P06721	ygey_ecoli	metc_ecoli	ygeY	metC
P37906	ygey_ecoli	puub_ecoli	ygeY	puuB
P24215	ygey_ecoli	uxua_ecoli	ygeY	uxuA

P18843	ygfz_ecoli	nade_ecoli	ygfZ	nadE
P0A7L3	ygfz_ecoli	rl20_ecoli	ygfZ	rpIT
P76518	ygfz_ecoli	yfde_ecoli	ygfZ	yfdE
P0ADK8	ygfz_ecoli	yibl_ecoli	ygfZ	yibL
P0A6Y8	ygha_ecoli	dnak_ecoli	yghA	dnaK

P0A988	ygha_ecoli	dpo3b_ecoli	yghA	dnaN
P0ACL7	ygha_ecoli	lldr_ecoli	yghA	lldR
P39376	ygha_ecoli	yjie_ecoli	yghA	yjiE
P18843	ygin_ecoli	nade_ecoli	ygiN	nadE
P0ABE7	yhbs_ecoli	c562_ecolx	yhbS	cybC
P0AG44	yhbs_ecoli	rl17_ecoli	yhbS	rplQ
P0A7K6	yhbs_ecoli	rl19_ecoli	yhbS	rplS
P60422	yhbs_ecoli	rl2_ecoli	yhbS	rplB
P0A7X3	yhbs_ecoli	rs9_ecoli	yhbS	rpsI
P64599	yhbs_ecoli	yhbt_ecoli	yhbS	yhbT
P32685	yhbs_ecoli	yjbd_ecoli	yhbS	yjbD
P15288	yhde_ecoli	pepd_ecoli	yhdE	pepD
P40719	yhde_ecoli	qsec_ecoli	yhdE	qseC
P0A6F5	yhet_ecoli	ch60_ecoli	yheT	groL
P0A7U7	yhet_ecoli	rs20_ecoli	yheT	rpsT
P0AEF0	yhgf_ecoli	dnac_ecoli	yhgF	dnaC
P04805	yhgf_ecoli	sye_ecoli	yhgF	gltX
Q47151	yhhk_ecoli	yafI_ecoli	yhhK	yafL

P0AD53	yiag_ecoli	ygac_ecoli	viaG	ygaC
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P0A6Y8	yiba_ecoli	dnak_ecoli	yibA	dnaK
P17888	yiba_ecoli	pria_ecoli	yibA	priA
P0A7V0	yiba_ecoli	rs2_ecoli	yibA	rpsB
P43672	yiba_ecoli	uup_ecoli	yibA	uup
P00722	yibf_ecoli	bgal_ecoli	yibF	lacZ
P42604	yief_ecoli	uxaa_ecoli	yieF	uxaA
P77247	yief_ecoli	ynic_ecoli	yieF	yniC
P0AE08	yiht_ecoli	ahpc_ecoli	yihT	ahpC
P0A6K3	yiht_ecoli	def_ecoli	yihT	def
P07821	yiht_ecoli	fhuc_ecoli	yihT	fhuC
P18843	yiht_ecoli	nade_ecoli	yihT	nadE
P36566	yiht_ecoli	smta_ecoli	yihT	smtA
P0AAM1	yiis_ecoli	cybh_ecoli	yiiS	hyaC
P13035	yiis_ecoli	glpd_ecoli	yiiS	glpD
P0A6W5	yiis_ecoli	grea_ecoli	yiiS	greA
P0ACF8	yiis_ecoli	hns_ecoli	yiiS	hns
P0AAC8	yiis_ecoli	isca_ecoli	yiiS	isca
P37330	yiis_ecoli	masz_ecoli	yiiS	glcB
P18843	yiis_ecoli	nade_ecoli	yiiS	nadE
P76078	yiis_ecoli	paab_ecoli	yiiS	paaB
P09373	yiis_ecoli	pflb_ecoli	yiiS	pflB
P0AFJ5	yiis_ecoli	phob_ecoli	yiiS	phoB
P32156	yiis_ecoli	rham_ecoli	yiiS	rhaM
P60723	yiis_ecoli	rl4_ecoli	yiiS	rpID
P0AG55	yiis_ecoli	rl6_ecoli	yiiS	rpIF
P0A7S9	yiis_ecoli	rs13_ecoli	yiiS	rpsM
P0A7V0	yiis_ecoli	rs2_ecoli	yiiS	rpsB
P0A7U7	yiis_ecoli	rs20_ecoli	yiiS	rpsT

P0A7W1	yiis_ecoli	rs5_ecoli	yiiS	rpsE
P0A6A0	yiis_ecoli	ubib_ecoli	yiiS	ubiB
P0AAB8	yiis_ecoli	uspd_ecoli	yiiS	uspd
P0AB61	yiis_ecoli	ycin_ecoli	yiiS	ycin
P37640	yiis_ecoli	yhjb_ecoli	yiiS	yhjB
P64562	yiis_ecoli	yqfe_ecoli	yiiS	yqfE
P0AF36	yiis_ecoli	zapb_ecoli	yiiS	zapB

P0A7D7	yjbr_ecoli	pur7_ecoli	yjbR	purC
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P0A6F5	yjee_ecoli	ch60_ecoli	yjeE	groL
P69910	yjee_ecoli	dceb_ecoli	yjeE	gadB
P0A6Y8	yjee_ecoli	dnak_ecoli	yjeE	dnaK
P0A9B2	yjee_ecoli	g3p1_ecoli	yjeE	gapA
P25665	yjee_ecoli	mete_ecoli	yjeE	metE
P18843	yjee_ecoli	nade_ecoli	yjeE	nadE
P76078	yjee_ecoli	paab_ecoli	yjeE	paaB
P76084	yjee_ecoli	paai_ecoli	yjeE	paal
P09373	yjee_ecoli	pflb_ecoli	yjeE	pflB
P0A7D4	yjee_ecoli	pura_ecoli	yjeE	purA
P0ADY3	yjee_ecoli	rl14_ecoli	yjeE	rpIN
P0A7K2	yjee_ecoli	rl7_ecoli	yjeE	rpIL
P0AG67	yjee_ecoli	rs1_ecoli	yjeE	rpsA
P0A7V0	yjee_ecoli	rs2_ecoli	yjeE	rpsB
P0A7V3	yjee_ecoli	rs3_ecoli	yjeE	rpsC
P0A7V8	yjee_ecoli	rs4_ecoli	yjeE	rpsD
P0A7W1	yjee_ecoli	rs5_ecoli	yjeE	rpsE
P0ADQ2	yjee_ecoli	yiid_ecoli	yjeE	yiiD
P31806	yjee_ecoli	yjef_ecoli	yjeE	yjeF
P39283	yjee_ecoli	yjen_ecoli	yjeE	yjeN

P0A9P0	yjef_ecoli	dldh_ecoli	yjeF	lpdA
P0A9P0	yjef_ecoli	dldh_ecoli	yjeF	lpdA
P22186	yjef_ecoli	mraz_ecoli	yjeF	mraZ
P22186	yjef_ecoli	mraz_ecoli	yjeF	mraZ
P06959	yjef_ecoli	odp2_ecoli	yjeF	aceF
P06959	yjef_ecoli	odp2_ecoli	yjeF	aceF
P16918	yjef_ecoli	rhsc_ecoli	yjeF	rhsC
P76578	yjef_ecoli	yfhm_ecoli	yjeF	yfhM
P0AF67	yjef_ecoli	yjee_ecoli	yjeF	yjeE

P0A9P0	yjgd_ecoli	dldh_ecoli	yjgD	lpdA
P45539	yjgd_ecoli	frla_ecoli	yjgD	frlA
P0A6W9	yjgd_ecoli	gsh1_ecoli	yjgD	gshA
P60560	yjgd_ecoli	guac_ecoli	yjgD	guaC
P37773	yjgd_ecoli	mpl_ecoli	yjgD	mpl
P06959	yjgd_ecoli	odp2_ecoli	yjgD	aceF
P77247	yjgd_ecoli	ynic_ecoli	yjgD	yniC

P0A6F5	yjie_ecoli	ch60_ecoli	yjie	groL
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P0A6Y8	yjji_ecoli	dnak_ecoli	yjji	dnak
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P18843	yjjk_ecoli	nade_ecoli	yjjk	nadE
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P0A964	ynce_ecoli	chew_ecoli	ynce	cheW
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P0A9A9	yqge_ecoli	fur_ecoli	yqgE	fur
P77188	yqge_ecoli	matc_ecoli	yqgE	matC
P33602	yqge_ecoli	nuog_ecoli	yqgE	nuoG
P15288	yqge_ecoli	pepd_ecoli	yqgE	pepD
P02413	yqge_ecoli	rl15_ecoli	yqgE	rplO
P60422	yqge_ecoli	rl2_ecoli	yqgE	rplB
P0A7V0	yqge_ecoli	rs2_ecoli	yqgE	rpsB
P0AGL7	yqge_ecoli	rsme_ecoli	yqgE	rsmE
P52645	yqge_ecoli	ydbh_ecoli	yqgE	ydbH
P13035	yqhd_ecoli	glpd_ecoli	yqhD	glpD
P0A9K9	yqhd_ecoli	slyd_ecoli	yqhD	slyD
P31552	yqik_ecoli	caic_ecoli	yqiK	caiC
P38104	yqik_ecoli	rspa_ecoli	yqiK	rspA
P77129	yqik_ecoli	ylbe_ecoli	yqiK	ylbE
P77269	yqik_ecoli	yphf_ecoli	yqiK	yphF
P0AEU0	yqji_ecoli	hisj_ecoli	yqjI	hisJ
P0AA16	yqji_ecoli	ompr_ecoli	yqjI	ompR
P0A6F5	ytfm_ecoli	ch60_ecoli	ytfM	groL

P31551	zapa_ecoli	caid_ecoli	zapA	caid
P0A722	zapa_ecoli	lpxa_ecoli	zapA	lpxA
P0A884	zapa_ecoli	tysy_ecoli	zapA	thyA

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15690043	Escherichia coli	Escherichia coli	association
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