

表 1 LTQ/MS/MS 鉴定蛋白质结果

Table 1 Identification of proteins based on MS/MS spectra from the LTQ

登录号	分子量	等电点	蛋白质描述
Access	Molecular weight	PI	Characteristics
B2U705	35246.63	6.54	Malate dehydrogenase
B2U8L3	14574.91	10.42	50S ribosomal protein L19
B2U9U5	15329.65	5.91	Nucleoside diphosphate kinase
B2UCV5	11302.07	10.05	50S ribosomal protein L21
B2UEK2	18227.31	10.16	30S ribosomal protein S5
B2UEK9	13351.65	10.27	50S ribosomal protein L14
B2UEL8	22931.31	9.91	50S ribosomal protein L4
B2UGJ5	13450.82	11.77	50S ribosomal protein L20
B2UGV1	55351.17	5.87	ATP synthase subunit alpha
P58597	40633.49	8.54	EPS I polysaccharide export outer membrane protein epsA
P58601	40960.46	8.93	Pectinesterase
Q8XGZ0	43167.4	5.43	Elongation factor Tu
Q8XT38	60732.97	8.11	Periplasmic trehalase
Q8XU74	55363.18	6.01	ATP synthase subunit alpha
Q8XV12	23179.49	9.89	50S ribosomal protein L3
Q8XV13	22948.34	9.91	50S ribosomal protein L4
Q8XV17	11957.92	10.19	50S ribosomal protein L22
Q8XV22	13351.65	10.27	50S ribosomal protein L14
Q8XV29	18194.32	10.16	30S ribosomal protein S5
Q8XV37	23142.39	10.13	30S ribosomal protein S4
Q8XVK8	11274.05	9.99	50S ribosomal protein L21
Q8XXW5	35422.77	6.25	Malate dehydrogenase
Q8XZ26	13480.81	11.55	50S ribosomal protein L20
Q8Y033	15316.65	5.91	Nucleoside diphosphate kinase
Q8Y099	31316.02	5.9	Dihydrodipicolinate synthase
Q8Y0B5	45711.75	4.8	Enolase
Q8Y0J1	8713.71	4.06	Acyl carrier protein 1
Q8Y0V7	14601.94	10.42	50S ribosomal protein L19
Q8Y3C6	52342.53	5.35	Aspartyl/glutamyl-tRNA(Asn/Gln) amidotransferase subunit B
Q9RBS0	33151.59	4.38	Protein popA1
A3RNR7	20858.51	9.39	Uncharacterized protein
A3RPA2	20318.67	11.18	50S ribosomal protein L19
A3RPK9	32611.41	8.58	Phytoene synthase
A3RPV4	48873.64	7.8	Alkaline phosphatase
A3RQ41	17027.62	9.59	PilA
A3RQA4	24003.68	10.06	uncharacterized protein
A3RQV4	43977.42	6.05	Isopenicillin N epimerase
A3RRM1	59078.28	6	Acetyl-CoA:acetoacetyl-CoA transferase alpha subunit
A3RRN0	32650.51	9.07	Glutamate/aspartate-binding protein
A3RRQ8	41757.53	5.95	Leucine-, isoleucine-, valine-, threonine-, and alanine-binding protein
A3RRV4	24801.54	7.18	Uncharacterized protein
A3RRW1	21232.65	9.37	Uncharacterized protein
A3RRX2	17795	6.69	Superoxide dismutase [Cu-Zn]
A3RS71	11321.12	10.16	50S ribosomal protein L21
A3RSB4	18476.13	4.81	Bacterioferritin
A3RTC4	53087.77	5.51	Extracellular subtilisin-like protease

登录号	分子量	等电点	蛋白质描述
Access	Molecular weight	PI	Characteristics
A3RTF1	38166.82	6.4	PilT
A3RTQ8	37958.77	6.75	Uncharacterized protein
A3RTR4	60052.62	9.49	Cyclohexanone monooxygenase
A3RTX1	33783.86	8.38	Uncharacterized protein
A3RU12	25951.82	5.73	Ribulose-phosphate 3-epimerase
A3RU89	57332.55	5.12	60 kDa chaperonin
A3RU95	54229.42	5.23	Uncharacterized protein conserved in bacteria
A3RUG8	28299.66	4.84	FliC
A3RUM0	37826.73	5.81	Purine nucleoside permease
A3RUT9	37362.34	9.35	Phosphate-binding protein
A3RVQ4	35442.8	6.55	Malate dehydrogenase
A3RVT0	20735.25	8.78	Uncharacterized protein
A3RVY2	13351.65	10.27	50S ribosomal protein L14
A3RVY9	18223.31	10.16	SSU ribosomal protein S5P
A3RVZ7	23226.56	10.13	SSU ribosomal protein S4P
A3RW48	18416.45	5.87	Peptidyl-prolyl cis-trans isomerase
A3RW57	61951.52	8.59	Transmembrane methyl-accepting chemotaxis protein
A3RW82	45857.88	4.85	Enolase
A3RWC1	13480.81	11.55	50S ribosomal protein L20
A3RWL8	27353.29	8.97	ABC transporter amino acid-binding protein
A3RWZ4	25140.61	9.77	FtsN
A3RX63	74336.04	6.43	Exo-poly-alpha-D-galacturonidase
A3RXG1	52402.17	5.48	Glutamine synthetase
A3RXH0	57181.37	5.75	Tek
A3RYC9	60229.02	6.16	Medium-chain-fatty-acid--CoA ligase
A3RYY1	50505.89	6.09	Aldehyde dehydrogenase
A3RZ67	41184.33	5.78	Glycerophosphoryl diester phosphodiesterase
A3RZA6	43095.3	5.5	Elongation factor Tu
A3RZI0	39137.78	10	Integral membrane protein
A3RZU5	16097.4	8.52	VirK protein
A3S031	30811.65	9.57	Uncharacterized protein
A3S0Z9	33545.44	9.14	Glutamate/aspartate-binding protein
A7C8V2	23175.43	4.25	Periplasmic ligand-binding sensor protein
A7C9I6	25711.12	9.51	Flagellar L-ring protein
A7C9W8	49496.8	6.1	Nicotinate phosphoribosyltransferase
A7C9Y2	56226.31	9.08	Membrane protein involved in aromatic hydrocarbon degradation
A7CAJ2	46059.25	9.38	Transposase, mutator type
A7CAK6	55549.41	5.92	Oxygen-independent coproporphyrinogen III oxidase
A7CBV3	24830.3	10.22	Sporulation domain protein
A7CC25	10611.98	10.77	Uncharacterized protein
A7CC87	46145.31	9.31	Transposase, mutator type
A7CCM5	48364.07	8.23	Alkaline phosphatase
A7CD19	55351.17	5.87	ATP synthase subunit alpha
A7CDP0	54381.68	6.98	Peptidase S8 and S53, subtilisin, kexin, sedolisin
A7CDR5	38193.81	6.36	Twitching motility protein
A7CDV4	78066	8.56	ATP-dependent DNA helicase RecG
A7CE75	11302.07	10.05	50S ribosomal protein L21
A7CEA3	38058.07	6.12	Purine nucleoside permease

登录号	分子量	等电点	蛋白质描述
Access	Molecular weight	PI	Characteristics
A7CEI5	22816.19	9.39	Transposase, mutator type
A7CES3	28667.13	9.38	Transport-associated protein
A7CF52	32972.78	9.16	Extracellular solute-binding protein, family 3
A7CFB0	32200.41	9.65	OmpW family protein
A7CFM1	57548.92	5.14	60 kDa chaperonin
A7CG74	45712.29	7.88	Lipoprotein releasing system, transmembrane protein, LolC/E family
A7CGE7	11783.62	5.3	Thioredoxin
A7CGH0	15329.65	5.91	Nucleoside-diphosphate kinase
A7CGZ1	33164.64	5.06	Uncharacterized protein
A7CH37	18765.25	8.69	Uncharacterized protein
A7CH58	57305.07	4.73	Uncharacterized protein
A7CHK7	25924.8	5.73	Ribulose-phosphate 3-epimerase
A7CHP0	74707.77	5.62	ATP-dependent endonuclease of the OLD family-like protein
A7CI28	18227.31	10.16	Ribosomal protein S5
A7CI35	13351.65	10.27	50S ribosomal protein L14
A7CI45	22931.31	9.91	Ribosomal protein L4/L1e
A7CI48	43624.95	5.42	Elongation factor Tu
A7CI90	120197.9	6.37	DNA polymerase III, alpha subunit
A7CIZ8	35219.61	6.25	Malate dehydrogenase
A7CJ57	21447.93	9.3	Uncharacterized protein
A7CJ72	55134.09	5.71	Aldehyde dehydrogenase (NAD(+))
A7CJA3	33488.4	8.88	Extracellular solute-binding protein, family 3
A7CK05	23676.72	9.89	Uncharacterized protein
A7CK23	11959.89	8.96	Conserved hypothetical signal peptide protein
A7CK73	27042.03	8.99	Phosphatidylserine/phosphatidylglycerophosphate/ cardiolipin synthases and related enzymes-like protein
A7CK97	27559.27	5.49	Uncharacterized protein
A7CKD8	65521.07	8.12	Uncharacterized protein
A7CKG4	17797.44	10.07	ISRSO7-transposase protein (Fragment)
A7CKK6	58472.27	9.72	Uncharacterized protein
A7CKQ4	6243.21	4.85	Uncharacterized protein
A7CLD6	11921.98	9.48	Conserved hypothetical signal peptide protein
A7CLP7	18319.76	8.81	Uncharacterized protein
A7CM53	23316.48	9.46	OmpA/MotB domain protein
A7CM55	20247.19	9.32	Signal peptide protein
A7CM90	14575.9	10.31	50S ribosomal protein L19
A7CMH9	129379.94	5.8	DNA polymerase III, alpha subunit
A7CMW3	9020.53	10.79	50S ribosomal protein L20
A7CN35	60045.75	5.84	AMP-dependent synthetase and ligase
B2U6M6	57402.7	5.08	60 kDa chaperonin
B2U773	50311.12	5.81	Alkaline phosphatase
B2U855	37968.04	6.44	Purine nucleoside permease
B2U879	23316.48	9.46	OmpA/MotB domain protein
B2U881	20220.17	9.32	Signal peptide protein
B2U907	129303.88	5.77	DNA polymerase III, alpha subunit
B2U9G4	33529.51	9	Extracellular solute-binding protein family 3
B2U9J4	55134.09	5.71	Aldehyde Dehydrogenase

登录号	分子量	等电点	蛋白质描述
Access	Molecular weight	PI	Characteristics
B2U9M7	21373.86	9.3	Uncharacterized protein
B2U9S2	11783.62	5.3	Thioredoxin
B2UBR3	54322.54	6.21	Peptidase S8 and S53 subtilisin kexin sedolisin
B2UBU1	38194.84	6.36	Twitching motility protein
B2UC23	59934.72	5.99	AMP-dependent synthetase and ligase
B2UCB7	37306.54	9.21	Porin Gram-negative type
B2UD09	25894.77	5.73	Ribulose-phosphate 3-epimerase
B2UDF2	23676.72	9.89	Uncharacterized protein
B2UDH0	11959.89	8.96	Conserved hypothetical signal peptide protein
B2UDS9	35459.23	5.94	Uncharacterized protein
B2UDV9	24871.38	10.1	Sporulation domain protein
B2UFJ2	32956.79	9.16	Extracellular solute-binding protein family 3
B2UFP6	32261.53	9.62	OmpW family protein
B2UG55	28753.24	9.41	Transport-associated
B2UG76	55493.32	6.07	Oxygen-independent coproporphyrinogen III oxidase
B2UH93	23175.43	4.25	periplasmic ligand-binding sensor protein
B2UI11	31966.86	9.54	Transcriptional regulator, AraC family
B2UIL8	65521.07	8.12	uncharacterized protein
B2UJ29	120197.9	6.37	DNA polymerase III, alpha subunit
B2UJH3	47730.61	8.42	Membrane protein involved in aromatic hydrocarbon degradation
B2UJI8	49496.8	6.1	Nicotinate phosphoribosyltransferase
B2UJW8	25711.12	9.51	Flagellar L-ring protein
B5RV70	17448.61	6.69	Superoxide dismutase [Cu-Zn]
B5RV81	21232.65	9.37	Bacterial outer membrane protein
B5RVM9	11321.12	10.16	50S ribosomal protein L21
B5RW01	38166.82	6.4	Twitching motility protein transport fimbria
B5RW28	53293.92	5.25	Protease protein
B5RWH7	25951.82	5.73	Ribulose-phosphate 3-epimerase protein
B5RWU4	12829.71	10.94	Hypothetical 30S ribosomal protein s4 (Partial sequence c terminus) (Fragment)
B5RWW2	17216.12	10.08	30S ribosomal protein s5
B5RWW9	13351.65	10.27	50S ribosomal protein L14
B5RXC1	24003.68	10.06	Amino-acid transmembrane protein
B5RXI8	28332.8	8.62	Periplasmic or secreted lipoprotein
B5RZ16	50436.02	5.67	Uncharacterized protein
B5RZE3	38059.84	6.75	Uncharacterized protein
B5RZE9	59932.42	9.49	Monoxygenase protein
B5RZG3	13285.06	8.33	Uncharacterized protein
B5RZI2	45857.88	4.85	Enolase
B5RZL1	62616.29	8.59	Methyl-accepting chemotaxis transducer protein
B5RZL9	18416.45	5.87	Peptidyl-prolyl cis-trans isomerase
B5RZQ9	20858.51	9.39	Lipid a deacylase protein
B5S060	41820.96	9.83	Outer membrane protein
B5S0M8	50659.17	6.22	Betaine aldehyde dehydrogenase (Badh) protein
B5S0X9	74443.2	6.57	Exo-poly-galacturonosidase protein
B5S0Y5	60227.05	6.16	Acyl-coa synthetase protein
B5S171	15274.57	5.91	Nucleoside diphosphate kinase (Ndk) (Ndp kinase) (Nucleoside-2-pkinase) protein

登录号	分子量	等电点	蛋白质描述
Access	Molecular weight	PI	Characteristics
B5S1C1	52402.17	5.48	Glutamine synthetase
B5S1T9	15551.8	8.52	Uncharacterized protein
B5S1V8	33545.44	9.14	Amino-acid-binding periplasmic protein (Pbp)
B5S209	5346.07	9.1	Uncharacterized protein
B5S2F7	35452.84	6.55	Malate dehydrogenase protein
B5S2Q5	36248.14	9.28	Phosphate-binding periplasmic protein (Pbp)
B5S2W1	13480.81	11.55	50S ribosomal protein L20
B5S395	32669.48	8.58	Phytoene synthase protein
B5S3M0	39148.85	10	Uncharacterized protein
B5S3Q6	52061.67	6.19	Serine/threonine-specific protein phosphatase and bis(5-nucleosyl)-tetraphosphatase;
B5S3Y4	27383.31	8.97	Substrate-binding periplasmic protein (Pbp)
B5S4F6	108178.79	6.31	Lrr-gala family type III effector protein (Gala 2)
B5S4M4	22508.42	9.41	Lipoprotein
B5S4N3	102205.59	9.08	Uncharacterized protein
B5S566	53726.37	5.24	Tek protein
B5S5B0	27656.98	9.42	Cog3687, predicted metal-dependent hydrolase protein
B5S6C7	8713.71	4.06	Acyl carrier protein 1 (Acp 1)
B5S6G3	35872.91	6.48	Cysteine sulfinate desulfinate / cysteine desulfurase protein (Partial sequencen terminus) (Fragment)
B5S6P9	15377.91	10.37	50S ribosomal protein L19
B5S6W8	17716.98	4.59	Phage capsid-related protein
B5S701	15664.86	4.69	Flagellin (Partial sequence n terminus) protein
B5S7I1	49700.56	5.37	Alkaline phosphatase lipoprotein
B5S7I2	48889.61	7.21	Alkaline phosphatase protein
B5S7X2	25159.66	9.88	Cell division protein ftsn
B5S840	18476.13	4.81	Bacterioferritin
B5S8G3	59096.29	6	Coenzyme a transferase; protein
B5S8H3	32650.51	9.07	Amino-acid-binding periplasmic protein (Pbp)
B5S8J7	41335.55	5.93	Glycerophosphoryl diester phosphodiesterase, periplasmic protein
B5S8R6	16956.54	9.59	Type 4 fimbrial pilin protein
B5S8Z2	57577.84	5.12	60 kDa chaperonin
B5S9F0	37800.65	5.81	Purine nucleoside permease protein
B5SA46	28299.66	4.84	Flagellin protein
B5SAX2	54229.42	5.23	Hypothetical rela/spot domain protein
B5SBY2	27353.29	8.97	Substrate-binding periplasmic protein (Pbp)
B5SC50	71125.95	6.15	Serine protease protein
B5SCZ8	53840.52	5.36	Tek protein
B5SD37	27697.05	9.42	Cog3687, predicted metal-dependent hydrolase protein
B5SDR8	39137.78	10	Uncharacterized protein
B5SDV8	25140.61	9.77	Cell division protein ftsn
B5SDY7	18476.13	4.81	Bacterioferritin
B5SEK3	48873.64	7.8	Alkaline phosphatase protein
B5SER5	24003.68	10.06	Amino-acid transmembrane abc transporter protein
B5SF16	15377.91	10.37	50S ribosomal protein L19
B5SFG9	33545.44	9.14	Amino-acid-binding periplasmic protein (Pbp)

登录号	分子量	等电点	蛋白质描述
Access	Molecular weight	PI	Characteristics
B5SFR4	15551.8	8.52	Uncharacterized protein
B5SG51	59078.28	6	Coenzyme a transferase; protein
B5SG62	32650.51	9.07	Amino-acid-binding periplasmic protein (Pbp)
B5SG86	41184.33	5.78	Glycerophosphoryl diester phosphodiesterase, periplasmic protein
B5SGF7	37826.73	5.81	Purine nucleoside permease protein
B5SGQ4	17027.62	9.59	Type 4 fimbrial pilin protein
B5SGX6	57332.55	5.12	60 kDa chaperonin
B5SHN2	53087.77	5.51	Protease protein
B5SHR2	38166.82	6.4	Twitching mobility protein transport fimbria
B5SHZ9	21232.65	9.37	Bacterial outer membrane protein
B5SI12	17795	6.69	Superoxide dismutase [Cu-Zn]
B5SIE7	11321.12	10.16	50S ribosomal protein L21
B5SIR5	35442.8	6.55	Malate dehydrogenase protein
B5SIW2	25951.82	5.73	Ribulose-phosphate 3-epimerase protein
B5SJC5	36248.14	9.28	Phosphate-binding periplasmic protein (Pbp)
B5SJJ3	23226.56	10.13	30s ribosomal protein s4
B5SJJ1	17230.15	10.08	30s ribosomal protein s5
B5SJJ7	41473.37	5.4	Elongation factor Tu (Fragment)
B5SJS3	13480.81	11.55	50S ribosomal protein L20
B5SK08	60052.62	9.49	Monoxygenase protein
B5SK14	37958.77	6.75	Uncharacterized protein
B5SK83	43977.42	6.05	Aminotransferase, class v; protein
B5SKC5	32611.41	8.58	Phytoene synthase protein
B5SKG7	60229.02	6.16	Acyl-coa synthetase protein
B5SKP6	31153.81	6.44	Periplasmic or secreted lipoprotein
B5SKY3	74336.04	6.43	Exo-poly-galacturonidase protein
B5SL32	50505.89	6.09	Betaine aldehyde dehydrogenase (Badh) protein
B5SLU8	52402.17	5.48	Glutamine synthetase
B5SM02	15274.57	5.91	Nucleoside diphosphate kinase (Ndk) (Ndp kinase) (Nucleoside-2-pkinase) protein
B5SM49	18416.45	5.87	Peptidyl-prolyl cis-trans isomerase
B5SM58	61951.52	8.59	Methyl-accepting chemotaxis transducer protein
B5SM86	45857.88	4.85	Enolase
B5SMF6	8713.71	4.06	Acyl carrier protein 1 (Acp 1)
B7ZJG6	32650.15	4.43	Type III effector protein
C0SPN3	31996.46	4.4	Hrp-secreted outer protein
C0SPP3	243440.92	8.86	Type III effector protein
O30592	37000.06	5.29	CrpB
Q0PHK7	57743.31	5.25	BtxP
Q0Q2Y4	11205.93	4.36	Flagellin (Fragment)
Q0Q2Y5	11177.88	4.36	Flagellin (Fragment)
Q0Q2Y8	11173.94	4.36	Flagellin (Fragment)
Q0Q2Z3	11121.83	4.24	Flagellin (Fragment)
Q0Q2Z4	11117.84	4.36	Flagellin (Fragment)
Q0Q2Z6	11120.84	4.36	Flagellin (Fragment)
Q0Q2Z8	11147.86	4.36	Flagellin (Fragment)
Q0Q318	11145.9	4.14	Flagellin (Fragment)

登录号	分子量	等电点	蛋白质描述
Access	Molecular weight	PI	Characteristics
Q0Q320	11175.91	4.36	Flagellin (Fragment)
Q0Q324	11144.91	4.24	Flagellin (Fragment)
Q0Q326	11160.91	4.24	Flagellin (Fragment)
Q53241	74232.03	6.43	Exo-polygalacturonase PehB
Q6PW28	26868.97	7.11	regulatory protein
Q83UT8	24963.8	4.54	Flagellin (Fragment)
Q847Y7	24832.61	4.54	Flagellin (Fragment)
Q847Y8	24817.66	4.45	Flagellin (Fragment)
Q847Z3	25187.05	4.67	Flagellin (Fragment)
Q847Z5	25174.02	4.57	Flagellin (Fragment)
Q847Z6	25173.03	4.67	Flagellin (Fragment)
Q84IE8	32633.17	4.43	PopA
Q8XPI6	26128.68	10.41	Signal peptide protein
Q8XPQ7	56470.32	8.38	Catalase
Q8XPR8	49172.74	6.07	Uncharacterized protein
Q8XPT2	77284.97	5.82	Secreted protein popf1
Q8XPU8	23383.44	8.34	Lipoprotein
Q8XQI5	46749.91	6.98	Membrane-bound lytic murein transglycosylase b protein
Q8XQJ7	37130.71	5.68	Signal peptide protein
Q8XQM1	20781.39	9.2	Lipid a deacylase signal peptide protein
Q8XQP7	74633.67	5.58	Acid phosphatase protein
Q8XR13	53132.74	6.07	Transmembrane aldehyde dehydrogenase oxidoreductase protein
Q8XR28	113462.21	7.08	Cation efflux system transmembrane protein
Q8XR38	27108.17	7.86	Cog3687, predicted metal-dependent hydrolase protein
Q8XR59	57244.43	5.56	Tek signal peptide protein
Q8XR61	55095.8	4.87	Tek-related protein
Q8XRC8	252123.14	8.81	Type III effector protein (Skwp3 )
Q8XRC9	11970.94	9.75	Hypothetical signal peptide protein
Q8XRE1	40714.47	6.51	Oxidoreductase, n-terminal; protein
Q8XRJ8	70761.66	6.12	Polygalacturonase
Q8XRS3	50908.88	6.68	Hypothetical twin-arginine translocation pathway signal harboring protein;
Q8XRS6	113436.23	9.07	Transmembrane protein
Q8XRT6	18455.42	5.8	Uncharacterized protein
Q8XRT9	22359.23	9.41	Lipoprotein
Q8XS78	69890.33	6.43	Serine protease protein
Q8XS79	13883.73	7.78	Signal peptide protein
Q8XSE4	81566.56	6.12	Aminopeptidase transmembrane protein
Q8XSJ1	38538.99	5.65	Ornithine cyclodeaminase protein
Q8XSJ3	27230.08	8.98	Substrate-binding periplasmic (Pbp) abc transporter protein
Q8XST5	28373.73	4.84	Flagellin protein
Q8XT20	70181.92	4.34	Hemolysin-type protein
Q8XT40	41927.46	6.98	Glycosyl hydrolase family 18 with carbohydrate binding domain transmembrane protein
Q8XT54	14917.01	7.66	Transmembrane protein
Q8XTB8	13892.54	9.23	Uncharacterized protein

登录号	分子量	等电点	蛋白质描述
Access	Molecular weight	PI	Characteristics
Q8XTE1	32853.87	6.34	Uncharacterized protein
Q8XTF1	53831.36	8.48	Transmembrane protein
Q8XTH4	44798.81	10.67	nadh:flavin oxidoreductases oxidoreductase protein
Q8XTU8	35288.83	5.56	Utp-glucose-1-phosphate uridylyltransferase udp-glucose pyrophosphorylase protein
Q8XTX0	39553.19	5.12	Transmembrane protein
Q8XTY6	24072.8	10.24	Amino-acid transmembrane abc transporter protein
Q8XU31	71605.25	5.3	2',3'-cyclic-nucleotide 2'-phosphodiesterase transmembrane protein
Q8XUC7	28340.87	8.64	Periplasmic or secreted lipoprotein signal peptide
Q8XUM9	45134.96	7.78	Fad-dependent pyridine nucleotide-disulphide oxidoreductase; transmembrane protein
Q8XUT4	70222.96	6.05	Serine protease protein
Q8XUU4	39505.76	8.78	Outer membrane porin signal peptide protein
Q8XV98	39555.79	9.34	Porin signal peptide protein
Q8XVF2	26077.97	5.73	Ribulose-phosphate 3-epimerase protein
Q8XVH6	41294.31	8.46	Outer membrane porin signal peptide protein
Q8XVN8	15626.45	9.03	Outer membrane lipoprotein transmembrane
Q8XVV9	19831.77	9.5	Signal peptide protein
Q8XVZ3	38150.82	6.4	Twitching mobility protein transport fimbria
Q8XW22	53484.2	6.07	Protease signal peptide protein
Q8XW23	14704.01	10.38	Lipoprotein
Q8XWE8	21268.86	5.94	Superoxide dismutase
Q8XWH9	34463.41	6.7	Arylsulfatase (Aryl-sulfate sulphohydrolase) protein
Q8XWI2	51926.21	5.49	Hypothetical serine/threonine-specific phosphatase and bis(5-nucleosyl)-tetraphosphatase; transmembrane protein
Q8XWU0	21174.54	9.13	Bacterial outer membrane transmembrane protein
Q8XX33	15357.53	8.52	Signal peptide protein
Q8XX55	33636.69	9.22	Amino-acid-binding periplasmic (Pbp) abc transporter protein
Q8XX75	32679.47	4.68	Extracellular endo alpha-1,4 polygalactosaminidase or related polysaccharide hydrolase protein
Q8XYC3	28790.44	5.42	Uncharacterized protein
Q8XYC6	38050.66	7.77	Transcription regulator protein
Q8XYG2	37890.7	6.76	N-acetylmuramoyl-l-alanine amidase protein
Q8XYK2	74269.1	6.03	Exo-poly-galacturonidase signal peptide protein
Q8XYK9	59571.22	6.26	Acyl-coa synthetase protein
Q8XYV4	32532.33	8.58	Phytoene synthase protein
Q8XZ01	20293.77	6.92	Polyhydroxybutyrate granule-associated protein (Phasin) phap1
Q8XZ53	172861.58	6.46	Transglycosylase protein
Q8XZK9	82127.61	8.03	Type III effector protein (Hlk1)
Q8XZX4	50586.13	5.99	Dihydrolipoyl dehydrogenase
Q8XZY7	52376.15	5.48	Glutamine synthetase
Q8Y008	29710.55	5.76	Myo-inositol catabolism protein
Q8Y079	20740.82	9.08	Peptidyl-prolyl cis-trans isomerase
Q8Y080	19721.17	6.23	Peptidyl-prolyl cis-trans isomerase



登录号	分子量	等电点	蛋白质描述
Access	Molecular weight	PI	Characteristics
Q8Y0Z1	20505.43	9.12	Signal peptide protein
Q8Y0Z3	23475.7	9.52	Outer membrane signal peptide protein
Q8Y119	14446.54	5.74	Transmembrane protein
Q8Y139	17661.91	4.57	Uncharacterized protein
Q8Y175	14772.69	9.78	Transmembrane protein
Q8Y191	37337.24	6.11	Purine nucleoside permease protein
Q8Y192	40581.9	8.82	Purine nucleoside permease protein
Q8Y1F4	18655.76	6.84	Peptidoglycan-associated lipoprotein
Q8Y1N4	30381.1	8.5	Pilus assembly cpab transmembrane protein
Q8Y1X9	17053.65	9.59	Type 4 fimbrial pilin signal peptide protein
Q8Y234	41281.35	5.61	Glycerophosphoryl diester phosphodiesterase, periplasmic protein
Q8Y255	34498.66	9.25	Amino-acid-binding periplasmic (Pbp) abc transporter protein
Q8Y2A7	86355.66	10.1	Mmpl exporter transmembrane protein
Q8Y2I4	59831.46	8.91	Peptidase transmembrane protein
Q8Y2I6	18404.1	4.91	Bacterioferritin
Q8Y2P9	25071.58	10.04	Cell division ftsn transmembrane protein
Q8Y2T5	156991.89	4.03	Calcium binding hemolysin protein
Q8Y2T6	120738.13	3.73	Calcium binding hemolysin protein
Q8Y377	101638.08	4.48	Hemolysin-type calcium-binding protein
Q8Y378	124446.62	4.03	Calcium binding hemolysin protein (Fragment)
Q8Y382	48901.78	7.79	Alkaline phosphatase signal peptide protein
Q8Y383	49600.5	5.55	Alkaline phosphatase lipoprotein transmembrane
Q9KGT9	28284.7	4.71	Flagellin
Q9RBW8	47861.79	8.41	TbuX