

**Table S9A.** Transporters in the genome of *Nitrospina gracilis*.

Function	TC	ORF ID	Family ID	Transporter Family	Subfamily
2.A.63		Ngra_00005	CPA3	The Monovalent Cation (K+ or Na+):Proton Antiporter-3 (CPA3) Family	MnhA
2.A.6		Ngra_00015	RND	The Resistance-Nodulation-Cell Division (RND) Superfamily	HAE1
3.A.1		Ngra_00071	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1		Ngra_00074	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1		Ngra_00075	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1		Ngra_00076	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
2.A.52		Ngra_00111	NiCoT	The Ni2+-Co2+ Transporter (NiCoT) Family	
2.A.86		Ngra_00114	AI-2E	The Autoinducer-2 Exporter (AI-2E) Family (Formerly the PerM Family, TC #9.B.22)	
3.A.11		Ngra_00140	DNA-T	The Bacterial Competence-related DNA Transformation Transporter (DNA-T) Family	
9.A.4		Ngra_00183	YggT	The YggT or Fanciful K+ Uptake-B (FkuB; YggT) Family	
3.A.1		Ngra_00201	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1		Ngra_00202	ABC	The ATP-binding Cassette (ABC) Superfamily	ABC
3.A.1		Ngra_00204	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1		Ngra_00220	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1		Ngra_00221	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1		Ngra_00224	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1		Ngra_00226	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1		Ngra_00227	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
1.A.30		Ngra_00261	Mot/Exb	The H+ or Na+-translocating Bacterial Flagellar Motor 1ExbD Outer Membrane Transport Energizer (Mo)	
1.A.30		Ngra_00262	Mot/Exb	The H+ or Na+-translocating Bacterial Flagellar Motor 1ExbD Outer Membrane Transport Energizer (Mo)	
2.A.1		Ngra_00292	MFS	The Major Facilitator Superfamily (MFS)	
2.A.41		Ngra_00322	CNT	The Concentrative Nucleoside Transporter (CNT) Family	
2.A.6		Ngra_00361	RND	The Resistance-Nodulation-Cell Division (RND) Superfamily	HAE1
2.A.53		Ngra_00369	SulP	The Sulfate Permease (SulP) Family	
2.A.21		Ngra_00395	SSS	The Solute:Sodium Symporter (SSS) Family	
2.A.21		Ngra_00399	SSS	The Solute:Sodium Symporter (SSS) Family	
2.A.22		Ngra_00400	NSS	The Neurotransmitter:Sodium Symporter (NSS) Family	
3.A.1		Ngra_00401	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1		Ngra_00402	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
2.A.1		Ngra_00427	MFS	The Major Facilitator Superfamily (MFS)	
3.A.1		Ngra_00480	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1		Ngra_00481	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1		Ngra_00482	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
2.A.4		Ngra_00486	CDF	The Cation Diffusion Facilitator (CDF) Family	
9.A.19		Ngra_00494	MgtE	The Mg2+ Transporter-E (MgtE) Family	
9.A.19		Ngra_00495	MgtE	The Mg2+ Transporter-E (MgtE) Family	
1.A.23		Ngra_00496	MscS	The Small Conductance Mechanosensitive Ion Channel (MscS) Family	
2.A.21		Ngra_00505	SSS	The Solute:Sodium Symporter (SSS) Family	
2.A.21		Ngra_00510	SSS	The Solute:Sodium Symporter (SSS) Family	
2.A.7		Ngra_00541	DMT	The Drug/Metabolite Transporter (DMT) Superfamily	
3.A.1		Ngra_00544	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1		Ngra_00545	ABC	The ATP-binding Cassette (ABC) Superfamily	binding protein
3.A.1		Ngra_00546	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
2.A.63		Ngra_00568	CPA3	The Monovalent Cation (K+ or Na+):Proton Antiporter-3 (CPA3) Family	MnhE
2.A.63		Ngra_00569	CPA3	The Monovalent Cation (K+ or Na+):Proton Antiporter-3 (CPA3) Family	MnhF
2.A.63		Ngra_00570	CPA3	The Monovalent Cation (K+ or Na+):Proton Antiporter-3 (CPA3) Family	MnhG
2.A.63		Ngra_00571	CPA3	The Monovalent Cation (K+ or Na+):Proton Antiporter-3 (CPA3) Family	MnhB
2.A.63		Ngra_00572	CPA3	The Monovalent Cation (K+ or Na+):Proton Antiporter-3 (CPA3) Family	
2.A.63		Ngra_00573	CPA3	The Monovalent Cation (K+ or Na+):Proton Antiporter-3 (CPA3) Family	MnhC
2.A.63		Ngra_00574	CPA3	The Monovalent Cation (K+ or Na+):Proton Antiporter-3 (CPA3) Family	MnhD
2.A.63		Ngra_00575	CPA3	The Monovalent Cation (K+ or Na+):Proton Antiporter-3 (CPA3) Family	MnhA
2.A.63		Ngra_00576	CPA3	The Monovalent Cation (K+ or Na+):Proton Antiporter-3 (CPA3) Family	MnhA
2.A.15		Ngra_00583	BCCT	The Betaine/Carnitine/Choline Transporter (BCCT) Family	
2.A.44		Ngra_00605	FNT	The Formate-Nitrite Transporter (FNT) Family	
2.A.66		Ngra_00610	MOP	The Multidrug/Oligosaccharidyl-lipid/Polysaccharide (MOP) Flippase Superfamily	MVF
3.A.1		Ngra_00632	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1		Ngra_00633	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
2.A.36		Ngra_00693	CPA1	The Monovalent Cation:Proton Antiporter-1 (CPA1) Family	
3.A.1		Ngra_00700	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1		Ngra_00701	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
2.A.6		Ngra_00705	RND	The Resistance-Nodulation-Cell Division (RND) Superfamily	HME
3.A.1		Ngra_00725	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1		Ngra_00851	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1		Ngra_00852	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1		Ngra_00853	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1		Ngra_00854	ABC	The ATP-binding Cassette (ABC) Superfamily	binding protein
3.A.1		Ngra_00861	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.7		Ngra_00880	IVSP	The Type IV (Conjugal DNA-Protein Transfer or VirB) Secretory Pathway (IVSP) Family	
2.A.9		Ngra_00893	Oxa1	The Cytochrome Oxidase Biogenesis (Oxa1) Family	
3.A.5		Ngra_00898	IISP	The Type II (General) Secretory Pathway (IISP) Family	
3.A.15		Ngra_00902	MTB	The Outer Membrane Protein Secreting Main Terminal Branch (MTB)	
2.A.21		Ngra_00903	SSS	The Solute:Sodium Symporter (SSS) Family	
1.A.11		Ngra_00926	Amt	The Ammonia Transporter Channel (Amt) Family	
2.A.37		Ngra_00927	CPA2	The Monovalent Cation:Proton Antiporter-2 (CPA2) Family	
3.A.15		Ngra_00935	MTB	The Outer Membrane Protein Secreting Main Terminal Branch (MTB)	
2.A.1		Ngra_00938	MFS	The Major Facilitator Superfamily (MFS)	
3.A.1		Ngra_00982	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.10		Ngra_01029	H+-PPase	The H+-translocating Pyrophosphatase (H+-PPase) Family	
2.A.64		Ngra_01042	Tat	The Twin Arginine Targeting (Tat) Family	
2.A.53		Ngra_01051	SulP	The Sulfate Permease (SulP) Family	
3.A.1		Ngra_01069	ABC	The ATP-binding Cassette (ABC) Superfamily	ABC+ membrane
2.A.7		Ngra_01127	DMT	The Drug/Metabolite Transporter (DMT) Superfamily	
2.A.67		Ngra_01128	OPT	The Oligopeptide Transporter (OPT) Family	
2.A.67		Ngra_01129	OPT	The Oligopeptide Transporter (OPT) Family	
2.A.33		Ngra_01131	NhaA	The NhaA Na+:H+ Antiporter (NhaA) Family	
9.A.30		Ngra_01134	TerC	The Tellurium Ion Resistance (TerC) Family	
3.A.3		Ngra_01145	P-ATPase	The P-type ATPase (P-ATPase) Superfamily	
2.A.21		Ngra_01171	SSS	The Solute:Sodium Symporter (SSS) Family	
2.A.25		Ngra_01251	AGCS	The Alanine or Glycine:Cation Symporter (AGCS) Family	
3.A.1		Ngra_01259	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1		Ngra_01277	ABC	The ATP-binding Cassette (ABC) Superfamily	binding protein
2.A.36		Ngra_01305	CPA1	The Monovalent Cation:Proton Antiporter-1 (CPA1) Family	
3.A.1		Ngra_01318	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
2.A.21		Ngra_01432	SSS	The Solute:Sodium Symporter (SSS) Family	
3.A.1		Ngra_01435	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1		Ngra_01436	ABC	The ATP-binding Cassette (ABC) Superfamily	binding

3.A.6	Ngra_01470	IIISP	The Type III (Virulence-related) Secretory Pathway (IIISP) Family	
2.A.28	Ngra_01516	BASS	The Bile Acid:Na <sup>+</sup> Symporter (BASS) Family	
3.A.1	Ngra_01529	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_01530	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
1.A.30	Ngra_01534	Mot/Exb	The H <sup>+</sup> - or Na <sup>+</sup> -translocating Bacterial Flagellar Motor 1ExbBD Outer Membrane Transport Energizer (Mo	
1.A.30	Ngra_01535	Mot/Exb	The H <sup>+</sup> - or Na <sup>+</sup> -translocating Bacterial Flagellar Motor 1ExbBD Outer Membrane Transport Energizer (Mo	
2.A.4	Ngra_01547	CDF	The Cation Diffusion Facilitator (CDF) Family	
3.A.1	Ngra_01552	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_01553	ABC	The ATP-binding Cassette (ABC) Superfamily	binding protein
3.A.1	Ngra_01554	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_01555	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
2.A.1	Ngra_01594	MFS	The Major Facilitator Superfamily (MFS)	
3.A.1	Ngra_01622	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_01632	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_01633	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_01668	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1	Ngra_01669	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1	Ngra_01671	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_01686	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_01687	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
2.A.1	Ngra_01711	MFS	The Major Facilitator Superfamily (MFS)	
3.A.1	Ngra_01733	ABC	The ATP-binding Cassette (ABC) Superfamily	binding protein
2.A.36	Ngra_01762	CPA1	The Monovalent Cation:Proton Antiporter-1 (CPA1) Family	
2.A.53	Ngra_01802	SulP	The Sulfate Permease (SulP) Family	
1.A.30	Ngra_01835	Mot/Exb	The H <sup>+</sup> - or Na <sup>+</sup> -translocating Bacterial Flagellar Motor 1ExbBD Outer Membrane Transport Energizer (Mo	
3.A.1	Ngra_01843	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
2.A.47	Ngra_01859	DASS	The Divalent Anion:Na <sup>+</sup> Symporter (DASS) Family	
1.A.46	Ngra_01860	Bestrophin	The Anion Channel-forming Bestrophin (Bestrophin) Family	
3.A.1	Ngra_01887	ABC	The ATP-binding Cassette (ABC) Superfamily	
9.A.19	Ngra_01887	MgtE	The Mg <sup>2+</sup> Transporter-E (MgtE) Family	
2.A.40	Ngra_01888	NCS2	The Nucleobase:Cation Symporter-2 (NCS2) Family	
2.A.6	Ngra_01911	RND	The Resistance-Nodulation-Cell Division (RND) Superfamily	SecDF
2.A.20	Ngra_01940	PIT	The Inorganic Phosphate Transporter (PIT) Family	
1.A.30	Ngra_01972	Mot/Exb	The H <sup>+</sup> - or Na <sup>+</sup> -translocating Bacterial Flagellar Motor 1ExbBD Outer Membrane Transport Energizer (Mo	
1.A.23	Ngra_01974	MscS	The Small Conductance Mechanosensitive Ion Channel (MscS) Family	
2.A.7	Ngra_02034	DMT	The Drug/Metabolite Transporter (DMT) Superfamily	SMR
2.A.5	Ngra_02049	ZIP	The Zinc (Zn <sup>2+</sup> )-Iron (Fe <sup>2+</sup> ) Permease (ZIP) Family	
3.A.1	Ngra_02050	ABC	The ATP-binding Cassette (ABC) Superfamily	ABC+ membrane
3.A.1	Ngra_02051	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_02052	ABC	The ATP-binding Cassette (ABC) Superfamily	ABC+ membrane
3.A.3	Ngra_02091	P-ATPase	The P-type ATPase (P-ATPase) Superfamily	
2.A.49	Ngra_02094	CIC	The Chloride Carrier/Channel (CIC) Family	
2.A.64	Ngra_02097	Tat	The Twin Arginine Targeting (Tat) Family	
2.A.63	Ngra_02101	GPA3	The Monovalent Cation (K <sup>+</sup> or Na <sup>+</sup> ):Proton Antiporter-3 (CPA3) Family	MnhA
1.B.6	Ngra_02198	OOP	The OmpA-OmpF Porin (OOP) Family	
1.A.30	Ngra_02201	Mot/Exb	The H <sup>+</sup> - or Na <sup>+</sup> -translocating Bacterial Flagellar Motor 1ExbBD Outer Membrane Transport Energizer (Mo	
2.A.69	Ngra_02202	AEC	The Auxin Efflux Carrier (AEC) Family	
3.A.1	Ngra_02203	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_02204	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_02225	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1	Ngra_02226	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
1.A.23	Ngra_02240	MscS	The Small Conductance Mechanosensitive Ion Channel (MscS) Family	
2.A.4	Ngra_02245	CDF	The Cation Diffusion Facilitator (CDF) Family	
2.A.6	Ngra_02254	RND	The Resistance-Nodulation-Cell Division (RND) Superfamily	HAE1
3.A.1	Ngra_02268	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1	Ngra_02269	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_02270	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_02294	ABC	The ATP-binding Cassette (ABC) Superfamily	binding protein
1.A.34	Ngra_02304	EVE1-C	The Envelope Virus E1 Channel (EVE1-C) Family	
9.A.40	Ngra_02310	HCC	The HlyC/CorC (HCC) Family	
9.A.40	Ngra_02311	HCC	The HlyC/CorC (HCC) Family	
3.A.1	Ngra_02330	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_02331	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1	Ngra_02332	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
9.A.19	Ngra_02364	MgtE	The Mg <sup>2+</sup> Transporter-E (MgtE) Family	
3.A.1	Ngra_02369	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_02370	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1	Ngra_02371	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1	Ngra_02372	ABC	The ATP-binding Cassette (ABC) Superfamily	binding protein
4.A	Ngra_02380	GPTS	General PTS	Enzymel
4.A	Ngra_02381	SSPTS	Sugar Specific PTS	EnzymelIA
3.A.1	Ngra_02384	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
2.A.1	Ngra_02413	MFS	The Major Facilitator Superfamily (MFS)	
2.A.7	Ngra_02414	DMT	The Drug/Metabolite Transporter (DMT) Superfamily	
3.A.1	Ngra_02418	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_02419	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_02424	ABC	The ATP-binding Cassette (ABC) Superfamily	binding protein
3.A.1	Ngra_02480	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_02481	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
2.A.64	Ngra_02514	Tat	The Twin Arginine Targeting (Tat) Family	
2.A.64	Ngra_02531	Tat	The Twin Arginine Targeting (Tat) Family	
1.B.17	Ngra_02544	OMF	The Outer Membrane Factor (OMF) Family	
3.A.1	Ngra_02545	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_02546	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
2.A.6	Ngra_02593	RND	The Resistance-Nodulation-Cell Division (RND) Superfamily	HME
2.A.66	Ngra_02599	MOP	The Multidrug/Oligosaccharidyl-lipid/Polysaccharide (MOP) Flippase Superfamily	MVF
9.A.10	Ngra_02604	ILT	The Iron/Lead Transporter (ILT) Superfamily	
9.A.19	Ngra_02613	MgtE	The Mg <sup>2+</sup> Transporter-E (MgtE) Family	
9.A.19	Ngra_02614	MgtE	The Mg <sup>2+</sup> Transporter-E (MgtE) Family	
2.A.56	Ngra_02654	TRAP-T	The Tripartite ATP-independent Periplasmic Transporter (TRAP-T) Family	
2.A.56	Ngra_02655	TRAP-T	The Tripartite ATP-independent Periplasmic Transporter (TRAP-T) Family	
2.A.1	Ngra_02724	MFS	The Major Facilitator Superfamily (MFS)	
1.B.6	Ngra_02725	OOP	The OmpA-OmpF Porin (OOP) Family	
1.A.30	Ngra_02727	Mot/Exb	The H <sup>+</sup> - or Na <sup>+</sup> -translocating Bacterial Flagellar Motor 1ExbBD Outer Membrane Transport Energizer (Mo	
2.A.19	Ngra_02742	CaCa	The Ca <sup>2+</sup> :Cation Antiporter (CaCa) Family	
2.A.1	Ngra_02759	MFS	The Major Facilitator Superfamily (MFS)	
2.A.23	Ngra_02768	DAACS	The Dicarboxylate/Amino Acid:Cation (Na <sup>+</sup> or H <sup>+</sup> ) Symporter (DAACS) Family	
2.A.64	Ngra_02790	Tat	The Twin Arginine Targeting (Tat) Family	
3.A.1	Ngra_02796	ABC	The ATP-binding Cassette (ABC) Superfamily	binding

1.A.28	Ngra_02814	UT	The Urea Transporter (UT) Family	
3.A.1	Ngra_02823	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1	Ngra_02824	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1	Ngra_02825	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.2	Ngra_02829	F-ATPase	The H <sup>+</sup> - or Na <sup>+</sup> -translocating F-type, V-type and A-type ATPase (F-ATPase) Superfamily	
3.A.2	Ngra_02830	F-ATPase	The H <sup>+</sup> - or Na <sup>+</sup> -translocating F-type, V-type and A-type ATPase (F-ATPase) Superfamily	
3.A.2	Ngra_02831	F-ATPase	The H <sup>+</sup> - or Na <sup>+</sup> -translocating F-type, V-type and A-type ATPase (F-ATPase) Superfamily	
3.A.2	Ngra_02832	F-ATPase	The H <sup>+</sup> - or Na <sup>+</sup> -translocating F-type, V-type and A-type ATPase (F-ATPase) Superfamily	
3.A.2	Ngra_02833	F-ATPase	The H <sup>+</sup> - or Na <sup>+</sup> -translocating F-type, V-type and A-type ATPase (F-ATPase) Superfamily	
3.A.2	Ngra_02834	F-ATPase	The H <sup>+</sup> - or Na <sup>+</sup> -translocating F-type, V-type and A-type ATPase (F-ATPase) Superfamily	
3.A.2	Ngra_02835	F-ATPase	The H <sup>+</sup> - or Na <sup>+</sup> -translocating F-type, V-type and A-type ATPase (F-ATPase) Superfamily	
3.A.2	Ngra_02836	F-ATPase	The H <sup>+</sup> - or Na <sup>+</sup> -translocating F-type, V-type and A-type ATPase (F-ATPase) Superfamily	
2.A.1	Ngra_02858	MFS	The Major Facilitator Superfamily (MFS)	
3.A.1	Ngra_02862	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1	Ngra_02863	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1	Ngra_02864	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
2.A.6	Ngra_02888	RND	The Resistance-Nodulation-Cell Division (RND) Superfamily	HAE3
2.A.56	Ngra_02934	TRAP-T	The Tripartite ATP-independent Periplasmic Transporter (TRAP-T) Family	
2.A.38	Ngra_02941	Trk	The K <sup>+</sup> Transporter (Trk) Family	
2.A.21	Ngra_02967	SSS	The Solute:Sodium Symporter (SSS) Family	
1.B.6	Ngra_02984	OOP	The OmpA-OmpF Porin (OOP) Family	
1.A.30	Ngra_02985	Mot/Exb	The H <sup>+</sup> - or Na <sup>+</sup> -translocating Bacterial Flagellar Motor 1ExbBD Outer Membrane Transport Energizer (Mo)	
2.A.1	Ngra_02992	MFS	The Major Facilitator Superfamily (MFS)	
3.A.6	Ngra_03001	IIISP	The Type III (Virulence-related) Secretory Pathway (IIISP) Family	
3.A.6	Ngra_03002	IIISP	The Type III (Virulence-related) Secretory Pathway (IIISP) Family	
3.A.6	Ngra_03003	IIISP	The Type III (Virulence-related) Secretory Pathway (IIISP) Family	
3.A.6	Ngra_03004	IIISP	The Type III (Virulence-related) Secretory Pathway (IIISP) Family	
3.A.6	Ngra_03005	IIISP	The Type III (Virulence-related) Secretory Pathway (IIISP) Family	
3.A.6	Ngra_03006	IIISP	The Type III (Virulence-related) Secretory Pathway (IIISP) Family	
1.A.11	Ngra_03011	Amt	The Ammonia Transporter Channel (Amt) Family	
2.A.47	Ngra_03026	DASS	The Divalent Anion:Na <sup>+</sup> Symporter (DASS) Family	
2.A.56	Ngra_03043	TRAP-T	The Tripartite ATP-independent Periplasmic Transporter (TRAP-T) Family	
2.A.4	Ngra_03072	CDF	The Cation Diffusion Facilitator (CDF) Family	
3.A.1	Ngra_03103	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_03104	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1	Ngra_03105	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1	Ngra_03106	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane
3.A.1	Ngra_03107	ABC	The ATP-binding Cassette (ABC) Superfamily	binding protein
2.A.7	Ngra_03139	DMT	The Drug/Metabolite Transporter (DMT) Superfamily	RarD
2.A.62	Ngra_03144	NhaD	The NhaD Na <sup>+</sup> :H <sup>+</sup> Antiporter (NhaD) Family	
1.A.23	Ngra_03147	MscS	The Small Conductance Mechanosensitive Ion Channel (MscS) Family	
2.A.63	Ngra_03154	CPA3	The Monovalent Cation (K <sup>+</sup> or Na <sup>+</sup> ):Proton Antiporter-3 (CPA3) Family	MnhA
3.A.15	Ngra_03188	MTB	The Outer Membrane Protein Secreting Main Terminal Branch (MTB)	
3.A.1	Ngra_03191	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_03195	ABC	The ATP-binding Cassette (ABC) Superfamily	binding
3.A.1	Ngra_03196	ABC	The ATP-binding Cassette (ABC) Superfamily	membrane