

Supplementary Table S3 Reference *Flavobacteriaceae* and their peptidase and CAZyme gene frequencies according to automated annotation.

	PMID for sequence	NCBI taxonomy ID	genome size [bp]	Sulfatase	Bac_rhodopsin
<i>Cellulophaga algicola</i> IC166(T)	21475589	688270	4888353	22	0
<i>Cellulophaga lytica</i> LIM-21(T)	21677859	867900	3765936	15	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	20639333	216432	2952962	0	0
<i>Dokdonia donghaensis</i> MED134	22003006	313590	3301953	1	1
<i>Dokdonia</i> sp. 4H-3-7-5	21725025	983548	3389993	0	1
<i>Flavobacteriaceae bacterium</i> S85	21994933	1042376	3384629	58	0
<i>Flavobacterium johnsoniae</i> UW101(T)	19717629	376686	6096872	12	0
<i>Formosa agariphila</i> KMM 3901(T)	23995932	1347342	4207825	45	0
<i>Gillisia limnaea</i> R-8282(T)	23450183	865937	3966857	0	2
<i>Gillisia</i> sp. CBA3202	22740667	1167637	2981404	2	0
<i>Gramella forsetii</i> ' KT0803	17107561	411154	3798465	3	0
<i>Imtechella halotolerans</i> K1(T)	22740661	946077	3086951	7	0
<i>Joostella marina</i> En5(T)	23961310	926559	4508243	21	0
<i>Kordia algicida</i> OT-1(T)	21622754	391587	5019836	2	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	16825617	398720	4238065	6	0
<i>Maribacter</i> sp. HTCC2170	21037013	313603	4775040	25	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	21914876	1004149	3704661	4	1
<i>Muricauda ruestringensis</i> B1(T)	22768362	886377	3842422	3	0
<i>Polaribacter irgensii</i> 23-P(T)	9542092 (isolation)	313594	2745458	2	1
<i>Polaribacter</i> sp. Hel1_33_49	this publication	1336803	3012752	12	1
<i>Polaribacter</i> sp. Hel1_85	this publication	1250005	3914068	33	0
<i>Polaribacter</i> sp. MED152	18552178	313598	2961474	3	1
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	24391155	1189619	3311768	1	1
<i>Psychroflexus torquis</i> 651(T)	24391155	313595	4321832	1	1
<i>Robiginitalea biformata</i> HTCC2501(T)	19767438	313596	3530383	10	0
<i>Zobellia galactanivorans</i> Dsij(T)	11411725 (isolation)	63186	5521712	75	0
<i>Zunogwangia profunda</i> SM-A87(T)	20398413	655815	5128187	7	0

	Mannitol_dh	Σ peptidases	Σ CAZymes	A08	A31	C01	C10
<i>Cellulophaga algicola</i> IC166(T)	3	195	159	2	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	2	164	116	1	0	1	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	168	91	1	0	1	0
<i>Dokdonia donghaensis</i> MED134	0	188	101	1	0	2	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	177	40	1	0	1	0
<i>Flavobacteriaceae bacterium</i> S85	1	97	196	1	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	1	189	287	1	0	1	0
<i>Formosa agariphila</i> KMM 3901(T)	2	178	212	2	0	1	0
<i>Gillisia limnaea</i> R-8282(T)	0	202	149	1	0	0	0
<i>Gillisia</i> sp. CBA3202	0	152	102	1	0	0	0
<i>Gramella forsetii</i> ' KT0803	1	185	144	2	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	169	93	1	0	0	0
<i>Joostella marina</i> En5(T)	2	185	141	3	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	230	126	2	0	2	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	1	204	199	2	0	0	0
<i>Maribacter</i> sp. HTCC2170	1	223	139	2	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	1	252	158	3	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	211	98	1	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	162	54	1	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	168	104	1	0	1	0
<i>Polaribacter</i> sp. Hel1_85	1	161	140	1	0	0	0
<i>Polaribacter</i> sp. MED152	0	167	91	1	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	163	84	1	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	220	88	1	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	217	107	1	1	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	2	198	264	1	1	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	1	224	231	2	0	1	0

	C11	C14	C25	C26	C39	C40	C44
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	8	0	5	4
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	8	0	4	5
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	1	8	0	3	4
<i>Dokdonia donghaensis</i> MED134	0	0	1	8	0	3	4
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	1	8	0	2	4
<i>Flavobacteriaceae bacterium</i> S85	0	0	1	8	1	1	3
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	1	9	0	3	4
<i>Formosa agariphila</i> KMM 3901(T)	0	0	1	8	0	3	4
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	8	1	3	7
<i>Gillisia</i> sp. CBA3202	0	0	0	7	0	3	2
<i>Gramella forsetii</i> ' KT0803	0	0	0	8	0	3	6
<i>Imtechella halotolerans</i> K1(T)	0	0	0	8	0	2	4
<i>Joostella marina</i> En5(T)	0	1	0	8	0	3	4
<i>Kordia algicida</i> OT-1(T)	0	1	1	8	5	2	5
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	4	1	8	0	2	4
<i>Maribacter</i> sp. HTCC2170	0	0	0	9	0	5	4
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	11	0	3	6
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	8	1	6	4
<i>Polaribacter irgensii</i> 23-P(T)	0	0	1	8	0	2	3
<i>Polaribacter</i> sp. Hel1_33_49	0	1	1	8	0	4	3
<i>Polaribacter</i> sp. Hel1_85	0	0	1	4	0	3	3
<i>Polaribacter</i> sp. MED152	0	1	1	8	0	3	4
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	1	8	0	2	5
<i>Psychroflexus torquis</i> 651(T)	0	5	1	8	0	2	5
<i>Robiginitalea biformata</i> HTCC2501(T)	0	1	0	8	0	4	4
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	8	0	5	6
<i>Zunogwangia profunda</i> SM-A87(T)	1	0	0	8	1	3	5

	C45	C51	C56	C59	C66	C82	M01
<i>Cellulophaga algicola</i> IC166(T)	0	1	5	0	0	0	5
<i>Cellulophaga lytica</i> LIM-21(T)	0	1	4	0	0	0	6
<i>Croceibacter atlanticus</i> HTCC2559(T)	2	0	4	0	0	0	4
<i>Dokdonia donghaensis</i> MED134	0	0	6	0	0	0	6
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	4	0	0	0	5
<i>Flavobacteriaceae bacterium</i> S85	0	0	2	0	0	0	4
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	4	0	0	1	6
<i>Formosa agariphila</i> KMM 3901(T)	0	0	7	0	0	0	5
<i>Gillisia limnaea</i> R-8282(T)	1	0	5	0	0	1	6
<i>Gillisia</i> sp. CBA3202	1	0	2	0	0	1	5
<i>Gramella forsetii</i> ' KT0803	2	0	6	0	0	1	4
<i>Imtechella halotolerans</i> K1(T)	0	0	2	0	0	0	2
<i>Joostella marina</i> En5(T)	0	0	4	0	0	0	6
<i>Kordia algicida</i> OT-1(T)	0	1	3	0	0	1	6
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	3	0	0	0	7
<i>Maribacter</i> sp. HTCC2170	0	0	3	0	0	0	5
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	7	0	0	0	9
<i>Muricauda ruestringensis</i> B1(T)	2	0	5	0	0	0	6
<i>Polaribacter irgensii</i> 23-P(T)	0	0	2	0	0	0	6
<i>Polaribacter</i> sp. Hel1_33_49	0	0	4	0	0	0	6
<i>Polaribacter</i> sp. Hel1_85	0	0	2	0	0	0	6
<i>Polaribacter</i> sp. MED152	0	0	2	0	0	0	8
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	1	0	2	0	0	0	6
<i>Psychroflexus torquis</i> 651(T)	0	0	2	0	0	0	8
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	4	0	0	0	5
<i>Zobellia galactanivorans</i> Dsij(T)	1	0	6	0	0	0	7
<i>Zunogwangia profunda</i> SM-A87(T)	1	0	4	0	0	1	8

	M03	M04	M08	M10	M12	M13	M14
<i>Cellulophaga algicola</i> IC166(T)	2	2	0	0	2	1	6
<i>Cellulophaga lytica</i> LIM-21(T)	2	0	0	0	0	1	5
<i>Croceibacter atlanticus</i> HTCC2559(T)	1	4	0	0	2	1	5
<i>Dokdonia donghaensis</i> MED134	1	0	0	0	0	2	8
<i>Dokdonia</i> sp. 4H-3-7-5	1	0	0	0	1	2	9
<i>Flavobacteriaceae bacterium</i> S85	1	0	0	0	0	1	1
<i>Flavobacterium johnsoniae</i> UW101(T)	2	0	0	0	4	2	4
<i>Formosa agariphila</i> KMM 3901(T)	2	1	0	0	1	1	4
<i>Gillisia limnaea</i> R-8282(T)	2	0	0	0	1	1	8
<i>Gillisia</i> sp. CBA3202	2	0	0	0	1	1	4
<i>Gramella forsetii</i> ' KT0803	2	0	0	0	2	1	6
<i>Imtechella halotolerans</i> K1(T)	1	0	0	0	0	0	4
<i>Joostella marina</i> En5(T)	1	0	0	0	1	1	4
<i>Kordia algicida</i> OT-1(T)	2	2	0	0	4	1	5
<i>Leeuwenhoekiella blandensis</i> MED217(T)	1	0	0	0	0	0	5
<i>Maribacter</i> sp. HTCC2170	1	0	0	0	1	0	7
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	2	0	1	0	1	0	8
<i>Muricauda ruestringensis</i> B1(T)	1	0	0	0	1	0	6
<i>Polaribacter irgensii</i> 23-P(T)	1	0	0	0	1	1	5
<i>Polaribacter</i> sp. Hel1_33_49	1	0	0	0	1	1	6
<i>Polaribacter</i> sp. Hel1_85	1	0	0	0	0	0	5
<i>Polaribacter</i> sp. MED152	2	0	0	0	1	0	4
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	2	0	0	0	2	1	7
<i>Psychroflexus torquis</i> 651(T)	2	0	0	0	3	2	7
<i>Robiginitalea biformata</i> HTCC2501(T)	1	0	0	0	1	0	7
<i>Zobellia galactanivorans</i> Dsij(T)	1	2	0	0	2	0	5
<i>Zunogwangia profunda</i> SM-A87(T)	2	0	0	0	0	2	5

	M15	M16	M17	M18	M19	M20	M22
<i>Cellulophaga algicola</i> IC166(T)	2	8	0	0	1	8	4
<i>Cellulophaga lytica</i> LIM-21(T)	2	6	0	0	0	5	4
<i>Croceibacter atlanticus</i> HTCC2559(T)	2	6	0	0	1	3	4
<i>Dokdonia donghaensis</i> MED134	2	7	0	0	1	9	4
<i>Dokdonia</i> sp. 4H-3-7-5	2	7	0	0	1	9	4
<i>Flavobacteriaceae bacterium</i> S85	0	3	0	0	0	4	4
<i>Flavobacterium johnsoniae</i> UW101(T)	2	3	0	0	1	5	4
<i>Formosa agariphila</i> KMM 3901(T)	2	4	0	0	0	5	4
<i>Gillisia limnaea</i> R-8282(T)	1	10	0	0	1	6	4
<i>Gillisia</i> sp. CBA3202	0	9	0	0	1	5	4
<i>Gramella forsetii</i> ' KT0803	1	8	0	0	1	5	4
<i>Imtechella halotolerans</i> K1(T)	2	13	0	0	1	5	4
<i>Joostella marina</i> En5(T)	2	5	0	0	2	7	4
<i>Kordia algicida</i> OT-1(T)	2	6	0	0	0	7	4
<i>Leeuwenhoekiella blandensis</i> MED217(T)	2	6	0	0	1	8	4
<i>Maribacter</i> sp. HTCC2170	2	4	0	0	2	12	4
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	2	8	0	0	1	11	5
<i>Muricauda ruestringensis</i> B1(T)	2	4	0	0	2	11	4
<i>Polaribacter irgensii</i> 23-P(T)	1	5	0	0	0	6	4
<i>Polaribacter</i> sp. Hel1_33_49	1	4	0	0	0	5	4
<i>Polaribacter</i> sp. Hel1_85	1	2	0	0	0	7	4
<i>Polaribacter</i> sp. MED152	2	3	0	0	0	4	4
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	1	4	0	0	0	6	5
<i>Psychroflexus torquis</i> 651(T)	1	4	0	0	0	5	5
<i>Robiginitalea biformata</i> HTCC2501(T)	3	8	0	0	2	10	5
<i>Zobellia galactanivorans</i> Dsij(T)	2	3	0	0	1	7	5
<i>Zunogwangia profunda</i> SM-A87(T)	1	15	0	0	1	4	4

	M23	M24	M26	M28	M29	M36	M38
<i>Cellulophaga algicola</i> IC166(T)	7	3	0	6	1	0	8
<i>Cellulophaga lytica</i> LIM-21(T)	6	3	1	7	0	0	7
<i>Croceibacter atlanticus</i> HTCC2559(T)	8	2	0	6	0	7	10
<i>Dokdonia donghaensis</i> MED134	6	4	0	6	0	4	11
<i>Dokdonia</i> sp. 4H-3-7-5	9	4	0	6	0	3	9
<i>Flavobacteriaceae bacterium</i> S85	7	3	0	0	0	0	2
<i>Flavobacterium johnsoniae</i> UW101(T)	6	2	0	2	0	0	8
<i>Formosa agariphila</i> KMM 3901(T)	7	6	0	4	0	0	8
<i>Gillisia limnaea</i> R-8282(T)	7	4	0	7	0	0	13
<i>Gillisia</i> sp. CBA3202	8	3	0	4	0	0	7
<i>Gramella forsetii</i> ' KT0803	7	4	0	6	0	0	11
<i>Imtechella halotolerans</i> K1(T)	6	3	0	7	0	0	15
<i>Joostella marina</i> En5(T)	5	3	0	6	0	0	11
<i>Kordia algicida</i> OT-1(T)	12	2	0	6	0	0	13
<i>Leeuwenhoekiella blandensis</i> MED217(T)	7	5	0	8	0	0	11
<i>Maribacter</i> sp. HTCC2170	8	4	0	6	0	0	14
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	11	5	0	6	0	0	17
<i>Muricauda ruestringensis</i> B1(T)	5	3	0	8	0	0	17
<i>Polaribacter irgensii</i> 23-P(T)	6	4	0	4	0	0	12
<i>Polaribacter</i> sp. Hel1_33_49	7	6	0	8	0	0	14
<i>Polaribacter</i> sp. Hel1_85	9	4	0	9	0	0	4
<i>Polaribacter</i> sp. MED152	7	2	0	5	1	0	7
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	6	3	0	5	0	2	11
<i>Psychroflexus torquis</i> 651(T)	7	4	0	5	0	3	17
<i>Robiginitalea biformata</i> HTCC2501(T)	8	3	0	11	0	0	13
<i>Zobellia galactanivorans</i> Dsij(T)	6	4	0	5	1	0	7
<i>Zunogwangia profunda</i> SM-A87(T)	8	4	0	7	0	0	11

	M41	M42	M43	M48	M49	M50	M54
<i>Cellulophaga algicola</i> IC166(T)	2	1	0	4	0	2	0
<i>Cellulophaga lytica</i> LIM-21(T)	1	1	1	3	0	2	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	1	1	2	2	1	1	0
<i>Dokdonia donghaensis</i> MED134	1	1	0	2	1	1	0
<i>Dokdonia</i> sp. 4H-3-7-5	1	1	0	2	1	1	0
<i>Flavobacteriaceae bacterium</i> S85	1	1	0	2	0	1	0
<i>Flavobacterium johnsoniae</i> UW101(T)	1	1	3	1	0	2	1
<i>Formosa agariphila</i> KMM 3901(T)	1	1	0	2	0	2	0
<i>Gillisia limnaea</i> R-8282(T)	1	1	0	3	1	2	0
<i>Gillisia</i> sp. CBA3202	1	1	1	1	1	2	0
<i>Gramella forsetii</i> ' KT0803	1	1	2	2	1	2	0
<i>Imtechella halotolerans</i> K1(T)	1	1	1	3	0	2	0
<i>Joostella marina</i> En5(T)	1	1	0	3	0	2	0
<i>Kordia algicida</i> OT-1(T)	2	1	2	3	1	1	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	1	1	1	3	0	1	0
<i>Maribacter</i> sp. HTCC2170	1	1	0	3	1	2	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	2	2	2	4	0	2	0
<i>Muricauda ruestringensis</i> B1(T)	1	1	0	3	0	2	0
<i>Polaribacter irgensii</i> 23-P(T)	2	1	0	1	0	2	0
<i>Polaribacter</i> sp. Hel1_33_49	1	1	1	2	0	2	0
<i>Polaribacter</i> sp. Hel1_85	2	1	2	2	0	1	0
<i>Polaribacter</i> sp. MED152	1	1	0	2	1	2	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	2	1	0	2	0	2	0
<i>Psychroflexus torquis</i> 651(T)	2	1	0	2	0	2	0
<i>Robiginitalea biformata</i> HTCC2501(T)	1	1	0	3	0	2	0
<i>Zobellia galactanivorans</i> Dsij(T)	2	1	0	4	0	3	0
<i>Zunogwangia profunda</i> SM-A87(T)	1	1	0	2	0	4	0

	M56	M57	M60	M61	M64	M72	M75
<i>Cellulophaga algicola</i> IC166(T)	2	1	0	2	0	0	1
<i>Cellulophaga lytica</i> LIM-21(T)	4	0	0	0	0	0	1
<i>Croceibacter atlanticus</i> HTCC2559(T)	3	1	0	1	0	0	1
<i>Dokdonia donghaensis</i> MED134	4	1	0	1	0	0	1
<i>Dokdonia</i> sp. 4H-3-7-5	3	1	0	2	0	0	1
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	3	0	0	1	0	0	2
<i>Formosa agariphila</i> KMM 3901(T)	2	0	0	2	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	4	1	0	1	0	0	0
<i>Gillisia</i> sp. CBA3202	4	1	0	1	0	0	0
<i>Gramella forsetii</i> ' KT0803	3	1	0	2	0	0	1
<i>Imtechella halotolerans</i> K1(T)	1	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	3	0	0	2	0	0	0
<i>Kordia algicida</i> OT-1(T)	4	3	0	1	0	0	1
<i>Leeuwenhoekiella blandensis</i> MED217(T)	3	2	0	2	0	0	0
<i>Maribacter</i> sp. HTCC2170	3	0	0	2	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	3	0	0	0	0	0	2
<i>Muricauda ruestringensis</i> B1(T)	3	0	0	1	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	1	0	0	0	0	0	2
<i>Polaribacter</i> sp. Hel1_33_49	2	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	2	0	0	0	0	0	1
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	2	1	0	1	0	0	1
<i>Psychroflexus torquis</i> 651(T)	2	1	0	1	0	0	1
<i>Robiginitalea biformata</i> HTCC2501(T)	2	0	0	2	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	2	0	0	2	0	0	2
<i>Zunogwangia profunda</i> SM-A87(T)	6	1	0	2	0	0	1

	M78	M79	M81	M82	M90	N10	P01
<i>Cellulophaga algicola</i> IC166(T)	0	2	0	0	2	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	1	0	0	2	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	2	0	0	1	0	0
<i>Dokdonia donghaensis</i> MED134	0	2	0	0	1	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	3	0	0	1	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	3	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	2	0	0	1	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	2	0	1	2	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	2	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	1	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	2	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	1	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	1	0	0	2	0	0
<i>Kordia algicida</i> OT-1(T)	0	3	0	1	1	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	1	2	0	0	1	0	0
<i>Maribacter</i> sp. HTCC2170	1	3	0	0	0	0	1
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	1	0	0	1	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	1	1	0	0	0	1
<i>Polaribacter irgensii</i> 23-P(T)	0	4	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	1	0	1	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	1	0	1	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	1	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	4	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	3	1	0	0	0	2
<i>Zobellia galactanivorans</i> Dsij(T)	0	1	0	0	1	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	3	0	0	3	0	1

	S01	S06	S08	S09	S10	S11	S12
<i>Cellulophaga algicola</i> IC166(T)	1	0	2	24	1	1	8
<i>Cellulophaga lytica</i> LIM-21(T)	1	0	1	20	1	1	7
<i>Croceibacter atlanticus</i> HTCC2559(T)	1	0	3	14	0	0	8
<i>Dokdonia donghaensis</i> MED134	1	0	5	22	1	1	8
<i>Dokdonia</i> sp. 4H-3-7-5	1	0	5	22	1	1	2
<i>Flavobacteriaceae bacterium</i> S85	1	0	2	10	0	0	6
<i>Flavobacterium johnsoniae</i> UW101(T)	2	0	5	37	0	1	7
<i>Formosa agariphila</i> KMM 3901(T)	2	0	6	32	1	0	6
<i>Gillisia limnaea</i> R-8282(T)	1	0	3	31	1	0	11
<i>Gillisia</i> sp. CBA3202	1	0	2	22	1	0	5
<i>Gramella forsetii</i> ' KT0803	2	0	2	23	1	1	6
<i>Imtechella halotolerans</i> K1(T)	2	0	6	24	1	0	10
<i>Joostella marina</i> En5(T)	1	0	3	34	1	1	10
<i>Kordia algicida</i> OT-1(T)	3	0	14	30	0	1	8
<i>Leeuwenhoekiella blandensis</i> MED217(T)	3	0	2	40	1	0	9
<i>Maribacter</i> sp. HTCC2170	1	0	2	39	2	1	22
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	2	0	2	44	1	1	9
<i>Muricauda ruestringensis</i> B1(T)	2	0	2	31	2	1	24
<i>Polaribacter irgensii</i> 23-P(T)	1	0	3	24	0	0	8
<i>Polaribacter</i> sp. Hel1_33_49	1	0	2	18	1	0	5
<i>Polaribacter</i> sp. Hel1_85	4	1	18	9	1	0	7
<i>Polaribacter</i> sp. MED152	3	0	9	27	0	0	11
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	2	0	4	25	1	0	5
<i>Psychroflexus torquis</i> 651(T)	4	0	8	31	1	0	16
<i>Robiginitalea biformata</i> HTCC2501(T)	2	0	4	34	1	1	19
<i>Zobellia galactanivorans</i> Dsij(T)	1	0	2	32	0	1	10
<i>Zunogwangia profunda</i> SM-A87(T)	1	0	1	41	1	0	9

	S13	S14	S15	S16	S24	S26	S33
<i>Cellulophaga algicola</i> IC166(T)	1	2	0	3	2	1	16
<i>Cellulophaga lytica</i> LIM-21(T)	1	2	2	3	4	1	9
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	2	2	3	3	1	10
<i>Dokdonia donghaensis</i> MED134	0	2	1	3	2	1	8
<i>Dokdonia</i> sp. 4H-3-7-5	0	2	3	3	2	1	8
<i>Flavobacteriaceae bacterium</i> S85	0	1	0	3	2	1	5
<i>Flavobacterium johnsoniae</i> UW101(T)	0	3	0	3	2	1	16
<i>Formosa agariphila</i> KMM 3901(T)	1	2	1	3	5	1	9
<i>Gillisia limnaea</i> R-8282(T)	1	2	1	3	2	1	10
<i>Gillisia</i> sp. CBA3202	1	2	0	3	2	0	12
<i>Gramella forsetii</i> ' KT0803	1	2	0	3	1	1	12
<i>Imtechella halotolerans</i> K1(T)	0	1	2	2	2	1	8
<i>Joostella marina</i> En5(T)	1	2	1	4	2	1	9
<i>Kordia algicida</i> OT-1(T)	0	1	1	3	3	2	13
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	2	0	3	3	1	12
<i>Maribacter</i> sp. HTCC2170	1	2	3	3	1	2	11
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	1	2	2	5	2	4	9
<i>Muricauda ruestringensis</i> B1(T)	1	3	3	3	2	2	6
<i>Polaribacter irgensii</i> 23-P(T)	0	1	1	3	1	2	8
<i>Polaribacter</i> sp. Hel1_33_49	0	1	1	4	2	1	16
<i>Polaribacter</i> sp. Hel1_85	0	1	4	3	0	4	13
<i>Polaribacter</i> sp. MED152	0	1	1	3	1	1	12
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	2	1	3	2	1	8
<i>Psychroflexus torquis</i> 651(T)	0	2	2	3	2	1	14
<i>Robiginitalea biformata</i> HTCC2501(T)	1	2	2	3	1	2	10
<i>Zobellia galactanivorans</i> Dsij(T)	1	2	1	4	1	2	16
<i>Zunogwangia profunda</i> SM-A87(T)	1	2	2	3	1	1	14

	S37	S41	S45	S46	S49	S51	S53
<i>Cellulophaga algicola</i> IC166(T)	0	8	2	0	1	1	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	5	2	0	0	1	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	4	0	0	0	1	0
<i>Dokdonia donghaensis</i> MED134	0	4	0	0	0	1	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	4	0	0	0	1	0
<i>Flavobacteriaceae bacterium</i> S85	0	2	1	0	1	1	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	6	0	2	1	2	0
<i>Formosa agariphila</i> KMM 3901(T)	0	4	0	2	0	1	0
<i>Gillisia limnaea</i> R-8282(T)	0	8	0	0	0	2	0
<i>Gillisia</i> sp. CBA3202	0	3	0	0	0	1	0
<i>Gramella forsetii</i> ' KT0803	0	5	0	0	0	2	0
<i>Imtechella halotolerans</i> K1(T)	0	7	0	1	1	1	0
<i>Joostella marina</i> En5(T)	0	9	0	0	1	1	0
<i>Kordia algicida</i> OT-1(T)	0	7	1	1	1	4	1
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	9	0	0	0	1	0
<i>Maribacter</i> sp. HTCC2170	0	11	2	0	1	1	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	13	4	0	1	2	0
<i>Muricauda ruestringensis</i> B1(T)	0	6	2	0	1	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	12	2	0	0	1	0
<i>Polaribacter</i> sp. Hel1_33_49	0	7	1	0	0	1	0
<i>Polaribacter</i> sp. Hel1_85	0	10	1	0	0	1	0
<i>Polaribacter</i> sp. MED152	0	6	1	0	0	1	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	6	0	0	1	1	0
<i>Psychroflexus torquis</i> 651(T)	0	11	0	0	0	3	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	4	4	0	1	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	7	2	0	1	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	10	0	0	0	1	0

	S54	S66	T02	T03	U32	U48	U49
<i>Cellulophaga algicola</i> IC166(T)	4	1	1	1	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	4	1	1	1	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	4	1	2	1	0	0	0
<i>Dokdonia donghaensis</i> MED134	4	1	2	2	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	4	1	2	1	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	4	1	0	0	1	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	4	2	1	0	1	0	0
<i>Formosa agariphila</i> KMM 3901(T)	4	1	0	1	1	0	0
<i>Gillisia limnaea</i> R-8282(T)	4	1	3	1	0	0	0
<i>Gillisia</i> sp. CBA3202	4	1	2	1	0	0	0
<i>Gramella forsetii</i> ' KT0803	4	1	3	1	0	0	0
<i>Imtechella halotolerans</i> K1(T)	4	1	2	1	1	0	0
<i>Joostella marina</i> En5(T)	4	1	2	1	0	0	0
<i>Kordia algicida</i> OT-1(T)	4	1	3	1	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	4	1	2	1	0	0	0
<i>Maribacter</i> sp. HTCC2170	4	0	1	1	1	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	7	1	1	2	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	4	1	1	1	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	5	1	1	1	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	4	1	2	1	0	0	0
<i>Polaribacter</i> sp. Hel1_85	4	1	3	1	0	1	0
<i>Polaribacter</i> sp. MED152	4	1	1	1	1	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	4	1	1	1	0	0	0
<i>Psychroflexus torquis</i> 651(T)	5	1	1	2	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	4	0	1	2	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	5	1	1	1	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	4	1	2	2	1	0	0

	U62	U69 CAZy families		CBM1	CBM2	CBM3	CBM4
<i>Cellulophaga algicola</i> IC166(T)	0	4	63	0	0	0	1
<i>Cellulophaga lytica</i> LIM-21(T)	0	1	55	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	1	34	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	2	5	41	0	0	0	1
<i>Dokdonia</i> sp. 4H-3-7-5	2	1	26	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	61	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	86	0	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	66	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	2	0	52	0	0	0	0
<i>Gillisia</i> sp. CBA3202	2	2	34	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	2	4	54	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	1	48	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	56	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	45	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	2	1	63	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	57	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	1	66	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	2	0	46	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	1	32	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	1	35	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	51	0	0	0	1
<i>Polaribacter</i> sp. MED152	0	0	41	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	35	0	0	0	1
<i>Psychroflexus torquis</i> 651(T)	0	0	39	0	0	0	1
<i>Robiginitalea biformata</i> HTCC2501(T)	2	0	43	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	3	89	0	0	0	1
<i>Zunogwangia profunda</i> SM-A87(T)	2	0	70	0	0	0	1

	CBM5	CBM6	CBM7	CBM8	CBM9	CBM10	CBM11
<i>Cellulophaga algicola</i> IC166(T)	1	2	0	0	4	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	2	0	0	3	0	1
<i>Croceibacter atlanticus</i> HTCC2559(T)	1	0	0	0	1	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	4	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	1	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	4	0	0	3	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	2	0	0	2	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	1	0	1
<i>Gillisia</i> sp. CBA3202	0	0	0	0	1	0	1
<i>Gramella forsetii</i> ' KT0803	0	1	0	0	1	0	1
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	2	0	0
<i>Joostella marina</i> En5(T)	0	0	0	0	1	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	3	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	2	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	10	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	3	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	3	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	1	0	0	1	0	1
<i>Polaribacter</i> sp. Hel1_33_49	0	2	0	0	3	0	0
<i>Polaribacter</i> sp. Hel1_85	0	2	0	0	1	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	1	0	1
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	1	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	2	0	0	5	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	1	6	0	0	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	2	0	0	1	0	0

	CBM12	CBM13	CBM14	CBM15	CBM16	CBM17	CBM18
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	1	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	4	0	0	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	3	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	1	1	0	0	2	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	0	0

	CBM19	CBM20	CBM21	CBM22	CBM23	CBM24	CBM25
<i>Cellulophaga algicola</i> IC166(T)	0	1	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	0	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	1	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	1	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	1	0	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	1	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	1	0	2	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	0	0

	CBM26	CBM27	CBM28	CBM29	CBM30	CBM31	CBM32
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	0	1
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	0	2
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	1
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	1
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	1
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	0	2
<i>Flavobacterium johnsoniae</i> UW101(T)	1	0	0	0	0	0	4
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	0	5
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	1
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	1
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	0	1
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	6
<i>Joostella marina</i> En5(T)	0	0	0	0	0	0	2
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	2
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	0	5
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	1	0	4
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	0	3
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	2
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	1
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	3
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	2
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	1
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	0	0	0	5
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	0	7

	CBM33	CBM34	CBM35	CBM36	CBM37	CBM38	CBM39
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	1	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	1	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	2	0	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	2	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	2	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	2	0	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	1	2	0	0	0

	CBM40	CBM41	CBM42	CBM43	CBM44	CBM45	CBM46
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	0	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	1	0	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	0	0

	CBM47	CBM48	CBM49	CBM50	CBM51	CBM52	CBM53
<i>Cellulophaga algicola</i> IC166(T)	1	4	0	5	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	1	0	3	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	1	0	3	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	2	0	4	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	2	0	2	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	2	0	3	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	2	0	5	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	1	3	0	3	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	3	0	3	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	3	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	2	0	3	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	1	0	2	0	0	0
<i>Joostella marina</i> En5(T)	0	2	0	3	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	3	0	5	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	2	0	3	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	2	0	4	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	2	0	3	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	3	0	3	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	1	0	2	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	3	0	3	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	3	0	4	0	0	0
<i>Polaribacter</i> sp. MED152	0	3	0	3	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	1	0	2	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	2	0	2	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	3	0	3	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	2	2	0	3	2	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	7	0	2	0	0	0

	CBM54	CBM55	CBM56	CBM57	CBM58	CBM59	CBM60
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	1	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	1	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	1	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	1	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	3	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	3	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	3	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	3	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	1	0	0	0

	CBM61	CBM62	CBM63	CBM64	CBM65	CBM66	CBM67
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	1	0	0	0	0	0	2
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	0	2
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	1	0	0	0	0	0	1
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	1
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	4
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	0	0	0	2
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	0	1

	CBM68	CBM69	CE1	CE2	CE3	CE4	CE5
<i>Cellulophaga algicola</i> IC166(T)	0	0	3	0	0	1	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	2	1	0	1	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	1	0	0	2	0
<i>Dokdonia donghaensis</i> MED134	0	0	1	0	0	1	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	2	0	0	2	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	5	1	0	5	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	5	0	0	1	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	2	0	0	4	0
<i>Gillisia</i> sp. CBA3202	0	0	2	0	0	3	0
<i>Gramella forsetii</i> ' KT0803	0	0	3	0	0	4	0
<i>Imtechella halotolerans</i> K1(T)	0	0	3	0	0	1	0
<i>Joostella marina</i> En5(T)	0	0	2	0	0	1	0
<i>Kordia algicida</i> OT-1(T)	0	0	4	0	0	3	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	4	0	0	1	0
<i>Maribacter</i> sp. HTCC2170	0	0	3	0	0	1	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	2	0	0	1	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	5	0	0	2	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	1	0	0	1	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	2	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	3	0	0	1	0
<i>Polaribacter</i> sp. MED152	0	0	2	0	0	1	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	1	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	1	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	3	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	4	0	0	3	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	7	0	0	3	0

	CE6	CE7	CE8	CE9	CE10	CE11	CE12
<i>Cellulophaga algicola</i> IC166(T)	1	0	0	0	0	1	0
<i>Cellulophaga lytica</i> LIM-21(T)	1	0	0	0	0	1	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	1	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	1	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	1	0	0	0	0	1	0
<i>Flavobacterium johnsoniae</i> UW101(T)	1	0	2	1	0	1	2
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	1	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	1	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	1	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	1	0
<i>Imtechella halotolerans</i> K1(T)	1	0	0	1	0	1	0
<i>Joostella marina</i> En5(T)	0	0	2	0	0	1	3
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	1	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	3	0	0	1	3
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	1	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	1	0	0	1	3
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	1	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	1	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	1	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	1	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	1	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	1	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	1	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	1	0
<i>Zobellia galactanivorans</i> Dsij(T)	1	1	0	1	0	1	0
<i>Zunogwangia profunda</i> SM-A87(T)	1	0	0	0	0	1	0

	CE13	CE14	CE15	CE16	GH1	GH2	GH3
<i>Cellulophaga algicola</i> IC166(T)	0	2	0	0	1	6	4
<i>Cellulophaga lytica</i> LIM-21(T)	0	2	0	0	0	5	5
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	2	0	0	0	0	1
<i>Dokdonia donghaensis</i> MED134	0	2	0	0	0	1	1
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	1
<i>Flavobacteriaceae bacterium</i> S85	0	1	0	0	1	20	7
<i>Flavobacterium johnsoniae</i> UW101(T)	0	2	0	0	1	15	13
<i>Formosa agariphila</i> KMM 3901(T)	0	2	0	0	1	17	7
<i>Gillisia limnaea</i> R-8282(T)	0	4	0	0	0	1	4
<i>Gillisia</i> sp. CBA3202	0	2	0	0	0	0	3
<i>Gramella forsetii</i> ' KT0803	0	3	0	0	0	6	3
<i>Imtechella halotolerans</i> K1(T)	0	2	1	0	0	4	2
<i>Joostella marina</i> En5(T)	0	2	0	0	0	9	4
<i>Kordia algicida</i> OT-1(T)	0	2	0	0	0	5	4
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	2	0	0	0	11	7
<i>Maribacter</i> sp. HTCC2170	0	3	1	0	0	4	3
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	2	0	0	0	5	6
<i>Muricauda ruestringensis</i> B1(T)	0	3	0	0	0	1	4
<i>Polaribacter irgensii</i> 23-P(T)	0	4	0	0	0	1	2
<i>Polaribacter</i> sp. Hel1_33_49	0	2	0	0	0	3	5
<i>Polaribacter</i> sp. Hel1_85	0	2	0	0	1	6	4
<i>Polaribacter</i> sp. MED152	0	2	0	0	0	0	1
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	2	0	0	0	0	2
<i>Psychroflexus torquis</i> 651(T)	0	3	0	0	0	1	2
<i>Robiginitalea biformata</i> HTCC2501(T)	0	2	0	0	0	1	4
<i>Zobellia galactanivorans</i> Dsj(T)	0	2	1	0	1	10	5
<i>Zunogwangia profunda</i> SM-A87(T)	0	2	1	0	1	12	10

	GH4	GH5	GH6	GH7	GH8	GH9	GH10
<i>Cellulophaga algicola</i> IC166(T)	0	4	0	0	0	0	4
<i>Cellulophaga lytica</i> LIM-21(T)	0	3	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	2	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	1	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	3	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	4	0	0	2	0	3
<i>Formosa agariphila</i> KMM 3901(T)	0	3	0	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	1	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	1	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	1	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	4	0	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	1	2	0	0	0	2	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	1	0	0	0	0	1
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	2	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	1	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	1	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	2	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	1	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	3	0	0	0	0	3
<i>Zunogwangia profunda</i> SM-A87(T)	0	3	0	0	0	0	3

	GH11	GH12	GH13	GH14	GH15	GH16	GH17
<i>Cellulophaga algicola</i> IC166(T)	1	0	6	0	2	8	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	3	0	1	8	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	5	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	4	0	0	1	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	1	0	0	1	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	6	0	0	19	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	8	0	0	4	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	5	0	1	9	2
<i>Gillisia limnaea</i> R-8282(T)	0	0	7	0	1	4	0
<i>Gillisia</i> sp. CBA3202	0	0	3	0	0	2	0
<i>Gramella forsetii</i> ' KT0803	0	0	4	0	1	7	0
<i>Imtechella halotolerans</i> K1(T)	0	0	3	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	4	0	1	4	0
<i>Kordia algicida</i> OT-1(T)	0	0	7	0	0	1	4
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	7	0	2	3	0
<i>Maribacter</i> sp. HTCC2170	0	0	3	0	1	4	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	6	0	1	2	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	3	0	1	1	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	1	0	0	3	1
<i>Polaribacter</i> sp. Hel1_33_49	0	0	6	0	0	6	2
<i>Polaribacter</i> sp. Hel1_85	0	0	6	0	0	1	2
<i>Polaribacter</i> sp. MED152	0	0	8	0	0	3	1
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	3	0	1	2	3
<i>Psychroflexus torquis</i> 651(T)	0	0	5	0	1	3	3
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	8	0	1	1	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	6	0	2	15	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	5	0	3	4	0

	GH18	GH19	GH20	GH21	GH22	GH23	GH24
<i>Cellulophaga algicola</i> IC166(T)	0	2	1	0	0	2	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	2	0	0	2	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	2	0
<i>Dokdonia donghaensis</i> MED134	0	0	1	0	0	2	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	1	0	0	2	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	2	0
<i>Flavobacterium johnsoniae</i> UW101(T)	4	3	4	0	0	1	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	1	0	0	2	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	2	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	2	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	2	0
<i>Imtechella halotolerans</i> K1(T)	0	0	3	0	0	2	0
<i>Joostella marina</i> En5(T)	0	0	4	0	0	2	0
<i>Kordia algicida</i> OT-1(T)	0	1	1	0	0	2	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	2	0	0	2	0
<i>Maribacter</i> sp. HTCC2170	2	0	3	0	0	2	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	2	0	0	2	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	2	0	0	2	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	2	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	2	0	0	3	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	2	0
<i>Polaribacter</i> sp. MED152	0	0	2	0	0	2	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	3	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	3	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	1	0	0	3	0
<i>Zobellia galactanivorans</i> Dsij(T)	1	0	4	0	0	2	0
<i>Zunogwangia profunda</i> SM-A87(T)	2	0	3	0	0	3	0

	GH25	GH26	GH27	GH28	GH29	GH30	GH31
<i>Cellulophaga algicola</i> IC166(T)	0	3	0	2	5	0	1
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	1	3	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	1
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	1
<i>Flavobacteriaceae bacterium</i> S85	0	1	0	2	9	0	1
<i>Flavobacterium johnsoniae</i> UW101(T)	1	3	2	7	2	4	3
<i>Formosa agariphila</i> KMM 3901(T)	1	3	0	2	5	2	3
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	1
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	1
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	1	0	1
<i>Imtechella halotolerans</i> K1(T)	1	0	1	0	2	0	1
<i>Joostella marina</i> En5(T)	0	0	1	3	7	0	2
<i>Kordia algicida</i> OT-1(T)	1	0	0	0	0	1	2
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	5	3	1	2
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	7	0	1
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	4	8	0	2
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	2	0	1
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	1	1
<i>Polaribacter</i> sp. Hel1_33_49	0	2	0	0	0	2	2
<i>Polaribacter</i> sp. Hel1_85	1	0	0	0	4	2	2
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	2	2
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	1	0	0	0	1	0
<i>Psychroflexus torquis</i> 651(T)	0	1	0	0	0	1	1
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	1
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	1	2	20	1	2
<i>Zunogwangia profunda</i> SM-A87(T)	0	3	0	1	4	6	3

	GH32	GH33	GH34	GH35	GH36	GH37	GH38
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	1	2	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	1	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	1	0	0	0	0	1	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	1	1	0
<i>Flavobacterium johnsoniae</i> UW101(T)	2	2	0	0	2	2	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	1	0
<i>Gillisia limnaea</i> R-8282(T)	4	0	0	0	0	1	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	1	0	0	0	0	3	0
<i>Imtechella halotolerans</i> K1(T)	0	1	0	0	1	1	0
<i>Joostella marina</i> En5(T)	4	0	0	0	1	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	3	1	0	1	0	1	0
<i>Maribacter</i> sp. HTCC2170	1	2	0	0	1	0	1
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	2	2	0	1	0	2	0
<i>Muricauda ruestringensis</i> B1(T)	1	1	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	1	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	1	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	2	0
<i>Robiginitalea biformata</i> HTCC2501(T)	1	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	1	0	0	4	3	0
<i>Zunogwangia profunda</i> SM-A87(T)	5	1	0	1	0	1	0

	GH39	GH40	GH41	GH42	GH43	GH44	GH45
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	4	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	3	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	2	9	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	1	0	0	0	11	0	0
<i>Formosa agariphila</i> KMM 3901(T)	3	0	0	0	7	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	5	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	1	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	6	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	1	0	0
<i>Joostella marina</i> En5(T)	0	0	0	0	11	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	1	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	1	0	0	0	18	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	4	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	1	6	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	3	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	1	0	0	0	4	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	1	7	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	18	0	0

	GH46	GH47	GH48	GH49	GH50	GH51	GH52
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	0	1	2	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	1	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	0	0	0	2	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	3	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	2	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	1	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	1	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	0	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	3	0

	GH53	GH54	GH55	GH56	GH57	GH58	GH59
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	1	0	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	1	0	0	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	1	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	1	0	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	1	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	0	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	0	0

	GH60	GH61	GH62	GH63	GH64	GH65	GH66
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	2	0	1	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	1	0	1	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	1	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	1	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	1	0	1	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	0	1	3	1
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	1	0	1	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	3	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	1	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	2	0	1	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	1	0	1	0
<i>Joostella marina</i> En5(T)	0	0	0	1	0	1	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	1	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	1	0	1	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	1	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	1	0	1	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	1	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	1	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	1	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	2	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	1	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	1	0	1	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	1	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	4	1	1	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	1	0

	GH67	GH68	GH69	GH70	GH71	GH72	GH73
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	0	1
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	0	1
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	1
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	1
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	0	1
<i>Flavobacterium johnsoniae</i> UW101(T)	1	0	0	0	0	0	1
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	0	1
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	1
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	1
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	0	1
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	1
<i>Joostella marina</i> En5(T)	0	0	0	0	0	0	1
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	1
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	0	1
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	1
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	1	0	0	0	0	0	1
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	1
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	1
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	1
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	1
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	1
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	1
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	1
<i>Robiginitalea biformata</i> HTCC2501(T)	1	0	0	0	0	0	1
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	0	0	0	1
<i>Zunogwangia profunda</i> SM-A87(T)	1	0	0	0	0	0	1

	GH74	GH75	GH76	GH77	GH78	GH79	GH80
<i>Cellulophaga algicola</i> IC166(T)	1	0	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	5	0	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	0	3	0	0
<i>Formosa agariphila</i> KMM 3901(T)	1	0	0	0	3	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	1	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	1	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	1	0	0
<i>Joostella marina</i> En5(T)	0	0	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	2	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	1	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	1	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	1	0	1	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	1	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	5	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	2	0	0	0	4	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	1	0	1	0	0

	GH81	GH82	GH83	GH84	GH85	GH86	GH87
<i>Cellulophaga algicola</i> IC166(T)	0	1	0	0	0	1	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	2	0	0	0	1	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	2	0	0	0	3	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	0	0	0	1
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	2	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	1	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	1	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	1	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsj(T)	0	3	0	0	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	1	0	0	0

	GH88	GH89	GH90	GH91	GH92	GH93	GH94
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	2	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	1	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	1	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	1	0	0
<i>Flavobacteriaceae bacterium</i> S85	1	0	0	0	3	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	2	1	0	0	7	0	0
<i>Formosa agariphila</i> KMM 3901(T)	5	0	0	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	1
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	5	0	0
<i>Joostella marina</i> En5(T)	2	0	0	0	3	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	1	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	6	1	0
<i>Maribacter</i> sp. HTCC2170	1	0	0	0	6	0	1
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	1	1	0	0	6	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	1	0	0	0	6	0	0
<i>Polaribacter</i> sp. Hel1_85	1	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	1	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	3	1	0	0	1	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	1	1	0	0	10	0	0

	GH95	GH96	GH97	GH98	GH99	GH100	GH101
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	1	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	1	0	2	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	3	0	8	0	1	0	0
<i>Formosa agariphila</i> KMM 3901(T)	1	0	1	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	1	0	0	1	0
<i>Gillisia</i> sp. CBA3202	0	0	1	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	2	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	2	0	1	0	0	0	0
<i>Joostella marina</i> En5(T)	2	0	2	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	1	0	0	1	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	3	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	1	0	1	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	1	0	1	0	1	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	3	0	2	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	1	0	0	1	0
<i>Psychroflexus torquis</i> 651(T)	0	0	2	0	0	1	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	7	0	6	0	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	2	0	6	0	0	0	0

	GH102	GH103	GH104	GH105	GH106	GH107	GH108
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	4	2	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	1	1	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	0	2	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	4	1	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	6	1	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	1	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	3	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	0	0

	GH109	GH110	GH111	GH112	GH113	GH114	GH115
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	1	1	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	1	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	1	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	1	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	1	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	3	0	0	1	0	1
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	0	0	0	1
<i>Formosa agariphila</i> KMM 3901(T)	1	0	0	0	1	0	1
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	1	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	1	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	1	0	0
<i>Imtechella halotolerans</i> K1(T)	1	1	0	0	0	0	0
<i>Joostella marina</i> En5(T)	1	0	0	0	1	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	1	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	1	0	0	0	1	0	1
<i>Maribacter</i> sp. HTCC2170	1	0	0	0	1	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	1	0	0	0	1	0	4
<i>Muricauda ruestringensis</i> B1(T)	1	0	0	0	1	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	1	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	1	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	1	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	1	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	1	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	1	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	1	0	0	0	1	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	1	2	0	0	1	1	0
<i>Zunogwangia profunda</i> SM-A87(T)	1	0	0	0	1	0	1

	GH116	GH117	GH118	GH119	GH120	GH121	GH122
<i>Cellulophaga algicola</i> IC166(T)	0	2	0	1	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	2	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	10	0	0	1	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	1	0	0	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	6	0	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	1	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	2	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	3	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	5	0	0	1	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	2	6	0	1	1	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	0	0

	GH123	GH124	GH125	GH126	GH127	GH128	GH129
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	2	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	1	0	1
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	3	0	1
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	1	0	1	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	1	0	1	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	1	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	1	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	1	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	3	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	0	4	0	1
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	1	0	0	0	0

	GH130	GH131	GH132	GH133	GT1	GT2	GT3
<i>Cellulophaga algicola</i> IC166(T)	1	0	0	0	1	19	0
<i>Cellulophaga lytica</i> LIM-21(T)	1	0	0	0	1	16	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	1	29	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	1	28	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	9	0
<i>Flavobacteriaceae bacterium</i> S85	1	0	0	0	1	22	0
<i>Flavobacterium johnsoniae</i> UW101(T)	5	0	0	0	1	29	0
<i>Formosa agariphila</i> KMM 3901(T)	2	0	0	0	1	32	0
<i>Gillisia limnaea</i> R-8282(T)	2	0	0	0	1	34	0
<i>Gillisia</i> sp. CBA3202	1	0	0	0	1	30	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	1	27	0
<i>Imtechella halotolerans</i> K1(T)	1	0	0	0	1	11	0
<i>Joostella marina</i> En5(T)	0	0	0	0	1	12	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	2	26	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	1	0	0	0	1	30	0
<i>Maribacter</i> sp. HTCC2170	3	0	0	0	1	16	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	1	0	0	0	1	18	0
<i>Muricauda ruestringensis</i> B1(T)	1	0	0	0	1	13	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	7	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	16	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	2	16	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	1	16	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	1	25	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	1	20	0
<i>Robiginitalea biformata</i> HTCC2501(T)	1	0	0	0	2	19	0
<i>Zobellia galactanivorans</i> Dsij(T)	1	0	0	0	1	21	0
<i>Zunogwangia profunda</i> SM-A87(T)	4	0	0	0	2	25	0

	GT4	GT5	GT6	GT7	GT8	GT9	GT10
<i>Cellulophaga algicola</i> IC166(T)	12	2	0	1	0	1	0
<i>Cellulophaga lytica</i> LIM-21(T)	6	1	0	0	0	1	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	13	1	0	3	0	2	0
<i>Dokdonia donghaensis</i> MED134	14	2	0	1	0	2	0
<i>Dokdonia</i> sp. 4H-3-7-5	4	2	0	1	0	1	0
<i>Flavobacteriaceae bacterium</i> S85	11	2	0	0	0	1	0
<i>Flavobacterium johnsoniae</i> UW101(T)	22	3	0	1	0	3	0
<i>Formosa agariphila</i> KMM 3901(T)	17	2	0	0	0	2	0
<i>Gillisia limnaea</i> R-8282(T)	25	1	0	1	0	2	2
<i>Gillisia</i> sp. CBA3202	22	1	0	1	0	2	0
<i>Gramella forsetii</i> ' KT0803	16	2	0	2	0	2	1
<i>Imtechella halotolerans</i> K1(T)	6	1	0	0	0	1	0
<i>Joostella marina</i> En5(T)	6	2	0	0	0	1	0
<i>Kordia algicida</i> OT-1(T)	13	2	0	1	0	2	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	15	2	0	1	0	2	0
<i>Maribacter</i> sp. HTCC2170	8	2	0	0	0	1	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	8	2	0	0	0	1	0
<i>Muricauda ruestringensis</i> B1(T)	8	2	0	0	0	1	0
<i>Polaribacter irgensii</i> 23-P(T)	8	2	0	0	0	1	0
<i>Polaribacter</i> sp. Hel1_33_49	13	2	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	18	2	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	9	2	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	10	1	0	2	0	2	0
<i>Psychroflexus torquis</i> 651(T)	8	2	0	1	0	3	0
<i>Robiginitalea biformata</i> HTCC2501(T)	11	2	0	0	0	1	0
<i>Zobellia galactanivorans</i> Dsij(T)	14	2	0	0	0	1	0
<i>Zunogwangia profunda</i> SM-A87(T)	16	2	0	1	0	2	1

	GT11	GT12	GT13	GT14	GT15	GT16	GT17
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	1	0	0	0	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	1	0	1	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	1	0	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	1	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	1	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	0	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	0	0

	GT18	GT19	GT20	GT21	GT22	GT23	GT24
<i>Cellulophaga algicola</i> IC166(T)	0	1	1	2	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	1	1	2	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	1	0	2	1	0	0
<i>Dokdonia donghaensis</i> MED134	0	1	0	3	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	1	0	1	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	1	0	2	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	1	0	2	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	1	1	4	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	1	1	2	0	0	0
<i>Gillisia</i> sp. CBA3202	0	1	0	3	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	1	1	3	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	1	0	1	0	0	0
<i>Joostella marina</i> En5(T)	0	1	1	2	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	1	0	3	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	1	1	3	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	1	1	2	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	1	1	3	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	1	1	3	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	1	0	1	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	1	0	6	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	1	0	5	0	0	0
<i>Polaribacter</i> sp. MED152	0	1	0	1	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	1	1	3	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	1	1	2	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	1	1	1	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	1	1	2	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	1	1	2	0	0	0

	GT25	GT26	GT27	GT28	GT29	GT30	GT31
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	1	0	1	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	1	0	2	0	1	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	2	0	1	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	2	0	1	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	1	0
<i>Flavobacteriaceae bacterium</i> S85	0	1	0	1	0	1	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	2	0	1	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	2	0	1	0
<i>Gillisia limnaea</i> R-8282(T)	0	1	0	2	0	1	0
<i>Gillisia</i> sp. CBA3202	0	0	0	2	1	1	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	1	0	1	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	2	0	1	0
<i>Joostella marina</i> En5(T)	0	0	0	2	0	1	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	2	0	1	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	2	0	1	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	2	0	1	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	1	0	2	0	1	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	2	0	1	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	1	0	1	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	1	0	1	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	2	0	1	0
<i>Polaribacter</i> sp. MED152	1	0	0	1	0	1	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	1	0	2	0	1	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	2	0	1	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	1	0	1	0	1	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	1	0	1	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	1	0	1	0

	GT32	GT33	GT34	GT35	GT36	GT37	GT38
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	0	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	1	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	1	0	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	1	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	0	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	0	0

	GT39	GT40	GT41	GT42	GT43	GT44	GT45
<i>Cellulophaga algicola</i> IC166(T)	1	0	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	1	0	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	1	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	1	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	1	0	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	0	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	1	0	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	1	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	2	0	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	3	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	2	0	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	2	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	1	0	0	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	1	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	2	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	0	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	2	0	0	0	0	0	0

	GT46	GT47	GT48	GT49	GT50	GT51	GT52
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	4	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	3	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	2	0
<i>Dokdonia donghaensis</i> MED134	0	1	0	0	0	1	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	1	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	3	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	0	0	4	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	3	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	4	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	3	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	3	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	3	0
<i>Joostella marina</i> En5(T)	0	0	0	0	0	4	0
<i>Kordia algicida</i> OT-1(T)	0	1	0	0	0	2	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	3	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	2	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	3	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	2	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	1	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	1	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	1	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	1	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	1	0	0	0	3	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	3	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	2	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	0	0	3	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	3	0

	GT53	GT54	GT55	GT56	GT57	GT58	GT59
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	0	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	0	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	0	0

	GT60	GT61	GT62	GT63	GT64	GT65	GT66
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	0	1	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	0	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	0	0

	GT67	GT68	GT69	GT70	GT71	GT72	GT73
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	0	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	0	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	0	0

	GT74	GT75	GT76	GT77	GT78	GT79	GT80
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	0	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	1	0	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	0	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	0	0

	GT81	GT82	GT83	GT84	GT85	GT86	GT87
<i>Cellulophaga algicola</i> IC166(T)	0	0	2	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	1	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	1	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	1	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	1	0	2	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	0	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	1	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	1	1	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	2	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	2	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	2	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	3	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	1	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	2	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	1	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	2	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	3	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	1	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	1	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	1	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	1	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	1	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	1	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	2	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	3	0	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	2	0	0	0	0

	GT88	GT89	GT90	GT91	GT92	GT93	GT94
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	1	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	0	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	0	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	0	0

	PL1	PL2	PL3	PL4	PL5	PL6	PL7
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	0	2	4
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	1	2
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	1	3
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	0	1	2
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	0	1	1
<i>Flavobacteriaceae bacterium</i> S85	0	0	0	0	0	1	2
<i>Flavobacterium johnsoniae</i> UW101(T)	7	0	0	0	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	0	0	0	4	4
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	1	4
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	2	0	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	4
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	1	0	0	0
<i>Maribacter</i> sp. HTCC2170	1	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	0	0	0	1	2
<i>Muricauda ruestringensis</i> B1(T)	1	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	4	5
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	4	3
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	2	0	0	0	0	2	3
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	0	0

	PL8	PL9	PL10	PL11	PL12	PL13	PL14
<i>Cellulophaga algicola</i> IC166(T)	0	0	0	0	1	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	0	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	0	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	0	0	2	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	0	0	1	0	0
<i>Flavobacteriaceae bacterium</i> S85	1	0	0	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	2	1	0	0	1
<i>Formosa agariphila</i> KMM 3901(T)	1	0	0	0	1	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	0	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	1
<i>Joostella marina</i> En5(T)	0	0	0	1	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	2	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	1	2	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	1	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	0	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	0	0	1	0	1
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	0	0

	PL15	PL16	PL17	PL18	PL19	PL20	PL21
<i>Cellulophaga algicola</i> IC166(T)	0	0	1	0	0	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0	1	0	0	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0	1	0	0	0	0
<i>Dokdonia donghaensis</i> MED134	0	0	1	0	0	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0	1	0	0	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0	1	0	0	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0	0	0	0	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0	1	0	0	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0	0	0	0	0	0
<i>Gillisia</i> sp. CBA3202	0	0	0	0	0	0	0
<i>Gramella forsetii</i> ' KT0803	0	0	1	0	0	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0	0	0	0	0	0
<i>Joostella marina</i> En5(T)	0	0	0	0	0	0	0
<i>Kordia algicida</i> OT-1(T)	0	0	0	0	0	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0	0	0	0	0	0
<i>Maribacter</i> sp. HTCC2170	0	0	0	0	0	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0	1	0	0	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0	0	0	0	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0	0	0	0	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0	1	0	0	0	0
<i>Polaribacter</i> sp. MED152	0	0	1	0	0	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0	0	0	0	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0	0	0	0	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0	0	0	0	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0	1	0	0	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0	0	0	0	0	0

	PL22	PL23
<i>Cellulophaga algicola</i> IC166(T)	0	0
<i>Cellulophaga lytica</i> LIM-21(T)	0	0
<i>Croceibacter atlanticus</i> HTCC2559(T)	0	0
<i>Dokdonia donghaensis</i> MED134	0	0
<i>Dokdonia</i> sp. 4H-3-7-5	0	0
<i>Flavobacteriaceae bacterium</i> S85	0	0
<i>Flavobacterium johnsoniae</i> UW101(T)	0	0
<i>Formosa agariphila</i> KMM 3901(T)	0	0
<i>Gillisia limnaea</i> R-8282(T)	0	0
<i>Gillisia</i> sp. CBA3202	0	0
<i>Gramella forsetii</i> ' KT0803	0	0
<i>Imtechella halotolerans</i> K1(T)	0	0
<i>Joostella marina</i> En5(T)	0	0
<i>Kordia algicida</i> OT-1(T)	0	0
<i>Leeuwenhoekiella blandensis</i> MED217(T)	0	0
<i>Maribacter</i> sp. HTCC2170	0	0
<i>Mesoflavibacter zeaxanthinifaciens</i> S86	0	0
<i>Muricauda ruestringensis</i> B1(T)	0	0
<i>Polaribacter irgensii</i> 23-P(T)	0	0
<i>Polaribacter</i> sp. Hel1_33_49	0	0
<i>Polaribacter</i> sp. Hel1_85	0	0
<i>Polaribacter</i> sp. MED152	0	0
<i>Psychroflexus gondwanensis</i> ACAM 44(T)	0	0
<i>Psychroflexus torquis</i> 651(T)	0	0
<i>Robiginitalea biformata</i> HTCC2501(T)	0	0
<i>Zobellia galactanivorans</i> Dsij(T)	0	0
<i>Zunogwangia profunda</i> SM-A87(T)	0	0