

Sample id	Season	Site	Year	Kelp thallus region	Surface age (months)	Area sampled (cm ²)	Cell density (cells/cm ²)	Bacterial production (DPM/cm ²)	Cell division time (days)
MarM	March	Tekslo	2007	Meristem	0	300	1.25e4	-	-
MayM	May	Tekslo	2007	Meristem	1	300	3.27e6	-	-
MayL	May	Tekslo	2007	Lamina	2	300	2.73e6	-	-
JulyL	July	Tekslo	2007	Lamina	4	300	8.76e6	-	-
SepL	September	Tekslo	2007	Lamina	6	300	2.43e6	-	-
NovL	November	Tekslo	2007	Lamina	8	300	1.20e7	-	-
MarL	March	Tekslo	2007	Lamina	11	300	4.33e6	-	-
T1	July	Tekslo	2009	Lamina	4	6	1.06e6	349.3	11.29
T2	July	Tekslo	2009	Lamina	4	6	4.0e6	872.4	17.00
T3	July	Tekslo	2009	Lamina	4	6	3.37e6	276.8	45.03
T4	July	Tekslo	2009	Lamina	4	6	5.49e6	2838.7	7.17
F1	July	Flatevossen	2009	Lamina	4	6	1.00e7	7398.3	5.03
F2	July	Flatevossen	2009	Lamina	4	6	1.52e7	3303.8	17.06
F3	July	Flatevossen	2009	Lamina	4	6	1.25e7	2955.9	15.67
F4	July	Flatevossen	2009	Lamina	4	6	1.40e7	594.0	87.58
F5	July	Flatevossen	2009	Lamina	4	6	1.19e7	232.5	189.64
F6	July	Flatevossen	2009	Lamina	4	6	1.36e7	478.0	105.4
L1	July	Landro	2009	Lamina	4	6	7.51e6	519.7	53.54
L2	July	Landro	2009	Lamina	4	6	8.73e6	179.2	180.43
L3	July	Landro	2009	Lamina	4	6	7.12e6	225.0	117.19
L4	July	Landro	2009	Lamina	4	6	9.05e6	13.1	2568.2
L5	July	Landro	2009	Lamina	4	6	5.31e6	8.4	2341.35
L6	July	Landro	2009	Lamina	4	6	7.64e6	7.8	3621.22

Sample id	Sequence reads	Observed 97% OTUs	Chao1 97% OTU richness	Rarefied 97% OTU richness	Parametric 97% OTU richness	Sequencing depth required for detecting 90% of OTUs	Evenness (Pielou index)
MarM	8195	133	166	132	210	99600	0.22
MayM	14634	152	251	118	614	1200000	0.53
MayL	9434	160	250	149	380	290000	0.57
JulyL	9969	204	324	186	462	234000	0.58
SepL	10288	179	251	163	277	96300	0.53
NovL	7952	242	369	242	444	125000	0.61
MarL	10024	284	427	258	467	96300	0.62
T1	1379	65	82	65	75	14100	0.62
T2	4354	92	105	90	99	15100	0.62
T3	3909	102	126	102	95	9470	0.61
T4	7190	90	107	77	106	23500	0.61
F1	10453	166	217	125	175	26300	0.70
F2	8024	146	251	108	285	138000	0.53
F3	12354	137	235	94	199	101000	0.62
F4	12316	128	185	87	150	55500	0.55
F5	15636	264	305	175	285	35000	0.68
F6	17435	144	191	83	206	121000	0.53
L1	4917	179	238	167	218	53200	0.55
L2	9791	65	128	45	224	671000	0.31
L3	11242	140	183	96	211	109000	0.47
L4	10748	117	131	84	174	84800	0.45
L5	15658	76	86	50	95	68700	0.35
L6	12615	48	83	33	85	160000	0.34