

Supplementary Table S3. Features of predicted DSP amino acid sequences.

Species	NCBI accession number	Abbreviation	Length, a.a.	EF-hand domains	Signal peptide	Prediction of transmembrane helices in protein
<i>Thalassiosira pseudonana</i>	ABU86411.1	TpDSP1	223	138-166 175-203	1-22	7-29
	ABU86412.1	TpDSP2	230	145-173 182-210	1-24	-
<i>Skeletonema costatum</i>	AAY27742.1	ScDSP1	232	147-175 184-212	1-23	7-29
	ABU86410.1	ScDSP2	248	159-186 194-222	1-23	7-25
<i>Chrysochromulina tobinii</i>	KOO53112.1	CtDSP1	243	158-186 195-223	-	-
	KOO24320.1	CtDSP2	243	158-186 195-223	1-20	-
<i>Emiliana huxley</i>	XP_005778932.1	EhDSP1	163	78-106 115-143	-	-
	XP_005773091.1	EhDSP2	154	74-102 111-139	-	-
<i>Phaeodactylum tricornutum</i>	ABU86413.1	PtDSP	244	159-187 196-224	1-18	-
<i>Fragilariopsis cylindrus</i>	OEU22427.1	FcDSP	187	102-130 139-167	-	-
<i>Fistulifera solaris</i>	GAX13799.1	FsDSP	210	124-152 162-190	1-25	7-28
<i>Thalassiosira oceanica</i>	EJK59087.1	ToDSP	362	277-305 314-342	-	-
<i>Ulnaria acus</i>	OR677822	UaDSP	214	129-157 166-194	1-18	-