

Table S1: Full details on sampled locations for cable bacteria presence and activity.

Cable bacteria present/active	Coordinates		Sampling date	Name	Habitat type
<b>Lake Grevelingen</b>					
Y	51°44'50.0"N	3°53'24.0"E	09/03/2015	Grevelingen	Seasonally hypoxic lake
N			10/11/2015		
Y	51°44'46.3"N	3°52'45.1"E	09/03/2015	Grevelingen	Seasonally hypoxic lake
Y			10/11/2015		
Y	51°44'34.9"N	3°51'54.1"E	09/03/2015	Grevelingen	Seasonally hypoxic lake
N			10/11/2015		
Y	51°44'34.3"N	3°50'43.0"E	09/03/2015	Grevelingen	Seasonally hypoxic lake
N			10/11/2015		
Y	51°44'55.6"N	3°54'17.6"E	10/11/2015	Grevelingen	Seasonally hypoxic lake
Y	51°44'58.1"N	3°53'48.8"E	10/11/2015	Grevelingen	Seasonally hypoxic lake
Y	51°46'22.1"N	3°56'09.9"E	10/11/2015	Grevelingen	Seasonally hypoxic lake
N	51°45'26.8"N	3°58'08.1"E	10/11/2015	Grevelingen	Seasonally hypoxic lake
Y	51°44'04.9"N	3°58'59.5"E	10/11/2015	Grevelingen	Seasonally hypoxic lake
Y	51°42'56.9"N	3°59'41.8"E	10/11/2015	Grevelingen	Seasonally hypoxic lake
<b>Western Scheldt</b>					
N	51°21'21.5"N	3°42'46.0"E	21/10/2015	Paulinapolder	Salt marsh
N	51°22'29.4"N	3°39'53.5"E	21/10/2015	Paulinapolder	Mud flat
N	51°22'29.4"N	3°39'47.9"E	21/10/2015	Paulinapolder	Mud flat
N	51°23'10.0"N	3°49'09.4"E	21/10/2015	Zuidgors	Salt Marsh
N	51°23'41.9"N	3°53'10.0"E	21/10/2015	Zuidgors	Mud flat
N	51°26'55.4"N	3°56'05.7"E	21/10/2015	Kapellebank	Salt Marsh
N	51°35'50.3"N	4°07'31.0"E	02/11/2015	Krabbenkreek	Salt Marsh
N	51°36'37.8"N	4°10'29.4"E	02/11/2015	Krabbenkreek	Salt Marsh
<b>Eastern Scheldt</b>					
Y	51°25'58.0"N	4°09'08.0"E	02/11/2015	Rattekaai	Mud flat
N	51°26'20.3"N	4°10'10.8"E	02/11/2015	Rattekaai	Salt Marsh
Y	51°26'19.4"N	4°12'03.6"E	02/11/2015	Rattekaai	Salt Marsh
Y	51°34'29.3"N	3°53'22.4"E	02/11/2015	Kats	Salt Marsh
Y	51°36'13.3"N	3°47'59.2"E	02/11/2015	Oesterputten	Salt Marsh

Y	51°41'29.2"N	3°47'37.3"E	02/11/2015	Hammen	Bivalve reef
Y	51°41'19.5"N	3°47'16.3"E	02/11/2015	Hammen	Bivalve reef
N	51°35'50.3"N	4°07'31.0"E	02/11/2015	Krabbenkreek	Salt Marsh

#### Mokbaai

Y	53°00'17.1"N	4°45'43.4"E	07/2014	Mokbaai	Oyster reef
Y	53°00'20.6"N	4°45'34.1"E	07/2014	Mokbaai	Mud flat
Y	53°00'17.7"N	4°45'28.5"E	07/2014	Mokbaai	Cockle bed
Y	53°00'27.1"N	4°45'05.1"E	07/2014	Mokbaai	Salt Marsh
N	53°00'14.4"N	4°45'19.1"E	07/2014	Mokbaai	Bioturbated sand flat

#### Cocksdoorp

Y	53°09'32.0"N	4°53'20.6"E	05/07/2014	Cocksdoorp	Mussel reef
Y	53°08'54.8"N	4°54'09.5"E	05/07/2014 09/10/2014	Cocksdoorp	Oyster reef
Y	53°08'52.4"N	4°54'04.2"E	05/07/2014	Cocksdoorp	Mud flat

#### Kobbefjord

Y	64°10'28.7"N	51°31'16.1"W	11/2011	Kobbefjord	Fjord sediment
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#### Yarra River

Y	37°50'00.1"S	145°00'53.7"E	31/01/2014	Yarra Scotch College	Seasonally hypoxic river
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#### Long Island Sound

Y	40°57'55.2" N	73°05'08.4"W	11/09/2013	Long Island Sound	Depositional basin
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#### Corsica

Y	42°03'12.9"N	9°28'04.6"E	07/2015	Etang d'Urbino	Fringe of seagrass bed
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#### Tunisia

Y	36°56'25.7"N	10°14'54.6"E	22/04/2015	Sabkhet Arina	Salt flat
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