Table S2. Selected bond angles (°)

	Heftetjern, Norway	Baveno, Italy		Heftetjern, Norway	Baveno, Italy
O4-M1-O5	171.35(5)	171.10(8)	O1-Si1-O2	110.37(8)	110.73(12)
O4-M1-O8	92.26(5)	92.89(8)	O1-Si1-O3	104.35(8)	104.50(12)
O4-M1-O8'	80.83(5)	80.82(7)	O1-Si1-O15	108.79(8)	108.69(12)
O4-M1-O10	82.07(5)	81.50(8)	O2-Si1-O3	113.53(7)	113.69(11)
O4-M1-O13	94.41(5)	93.71(8)	O2-Si1-O15	108.89(7)	108.45(12)
O5-M1-O8	92.03(5)	91.82(8)	O3-Si1-O15	110.76(7)	110.66(11)
O5-M1-O8'	92.48(5)	92.50(8)			
O5-M1-O10	93.11(6)	93.32(8)	O3-Si2-O4	108.35(7)	108.40(11)
O5-M1-O13	92.44(5)	93.14(8)	O3-Si2-O5	113.54(7)	113.54(11)
O8-M1-O8'	80.50(5)	80.76(8)	O3-Si2-O6	107.38(7)	107.44(11)
O8-M1-O10	173.20(5)	173.48(8)	O4-Si2-O5	115.00(7)	114.74(11)
O8-M1-O13	97.86(5)	97.65(8)	O4-Si2-O6	109.77(7)	109.89(11)
O8'-M1-O10	94.83(5)	95.00(8)	O5-Si2-O6	102.39(7)	102.44(11)
O8'-M1-O13	174.87(6)	174.18(8)			
O10-M1-O13	86.36(5)	86.08(8)	O6-Si3-O7	111.09(7)	111.34(11)
			O6-Si3-O8	109.76(7)	109.61(11)
O2-M2-O4	92.84(5)	92.59(8)	O6-Si3-O9	104.64(7)	104.65(11)
O2-M2-O7	173.79(5)	173.95(9)	O7-Si3-O8	117.12(7)	117.22(11)
O2-M2-O10	84.11(5)	84.08(8)	O7-Si3-O9	101.81(7)	101.81(11)
O2-M2-O11	87.78(5)	87.75(8)	O8-Si3-O9	111.50(7)	111.29(11)
O2-M2-O14	87.05(5)	86.66(8)			
O4-M2-O7	86.99(5)	87.54(8)	O9-Si4-O10	111.91(7)	112.13(11)
O4-M2-O10	82.11(5)	81.83(8)	O9-Si4-O11	108.39(7)	108.24(11)
O4-M2-O11	89.50(5)	90.14(8)	O9-Si4-O12	103.77(7)	104.09(11)
O4-M2-O14	170.15(5)	169.82(8)	O10-Si4-O11	114.14(7)	113.84(12)
O7-M2-O10	89.71(5)	89.95(8)	O10-Si4-O12	107.69(7)	107.66(11)
O7-M2-O11	98.43(5)	98.30(9)	O11-Si4-O12	110.45(8)	110.45(11)
O7-M2-O14	92.05(5)	92.15(8)			
O10-M2-O11	168.01(5)	168.26(8)	O12-Si5-O13	109.48(7)	109.66(11)
O10-M2-O14	88.08(5)	87.99(8)	O12-Si5-O14	109.00(7)	109.09(11)
O11-M2-O14	100.34(6)	99.97(9)	O12-Si5-O15	110.28(7)	110.28(11)
			O13-Si5-O14	116.54(7)	116.57(12)
O1-H1-O11	173.1(9)	166(5)	O13-Si5-O15	106.56(7)	106.63(11)
			O14-Si5-O15	104.79(7)	104.40(11)
Si1-O3-Si2	139.82(9)	139.06(14)			
Si2-O6-Si3	142.91(9)	143.08(14)	Si4-O12-Si5	132.40(8)	132.16(13)
Si3-O9-Si4	139.55(9)	140.00(14)	Si5-O15-Si1	132.99(9)	133.92(14)