Table S1. Environmental factors for ASP and WF blocks.

sample-id	Group	HCO_3^-	Cl^-	SO_4^{2-}	Ca^{2+}	Mg^{2+}	Na^+	salinity	CO_3^{2-}
p11_2	WF	2501.82	904.23	24.02	19.84	6.08	1805.73	5651.85	390.13
p11_3	WF	2379.78	904.23	12.01	19.84	9	1771.46	5516.46	420.14
p7_1	WF	1790	1040	38.4	6.01	3.65	2760	7460	183
p7_2	WF	416	1010	62.4	4.01	3.65	3080	7510	2930
p7_3	WF	1990	1140	4.8	6.01	4.86	3160	8510	221
p7_4	WF	2310	1230	9.61	4.01	2.43	2530	7210	1130
p7_5	WF	2630	1000	9.61	10	8.51	2120	6440	662
p7_6	WF	577	1200	4.8	4.01	3.65	3840	9350	3720
p7_7	WF	2660	846	9.61	36.9	9.24	1990	6220	441
p12_1	ASP	2831.94	1341.43	276.17	10.02	3.04	6937.95	15462.86	5812.04
p12_10	ASP	2831.94	1164.18	72.05	10.02	3.04	4136.55	9627.48	4108.07
p12_2	ASP	2831.94	1086.9	216.14	10.02	3.04	6779.25	15070.36	5938.38
p12_3	ASP	2831.94	1120.57	228.14	10.02	3.04	5943.89	13442.78	5477.43
p12_4	ASP	2831.94	1273.72	72.05	10.02	3.04	2849.47	8264.65	1224.41
p12_5	ASP	2831.94	1426.51	228.14	10.02	3.04	5675.71	12687.16	4442.68
p12_6	ASP	2831.94	1460.19	216.14	10.02	3.04	7802.75	16871.69	5538.35
p12_7	ASP	2831.94	1460.19	84.05	10.02	3.04	8882.14	19599.92	7698.77
p12_9	ASP	2831.94	1256.7	108.07	10.02	3.04	7700.4	16465.21	5416.5
p14_3	ASP	2263.84	1134.72	36.5	25.45	6.2	2370.38	6886.84	1049.75
p14_4	ASP	2231.5	1170.18	24.5	25.45	6.2	2156.02	6377.3	763.45
p14_5	ASP	1164.26	1010.61	36.5	25.45	6.2	2216.74	5954.86	1495.1
p14_6	ASP	4430.66	1152.45	36.5	40.68	6.2	2888.57	9223.08	668.02
p14_7	ASP	1002.56	1187.91	24.5	15.23	3.04	3721.17	9326.33	3371.92
p14_8	ASP	1908.1	726.93	24.5	15.23	6.2	2245.95	6326.58	1399.67
p8_2	ASP	4271.4	771.04	54.03	35.07	3.04	2320	2323.04	300.1
p8_3	ASP	4210.38	726.73	48.03	65.13	48.62	1914.79	1963.41	600.2
p8_5	ASP	4576.5	806.49	24.02	25.05	21.27	2650.77	2672.04	600.2
p8_6	ASP	4515.48	762.18	6	40.08	21.27	2435.14	2456.41	420.14
p8_7	ASP	4851.09	850.8	12.01	25.05	15.19	2949.76	2964.95	810.27
p8_8	ASP	4973.13	771.04	90.06	35.07	21.27	2659.39	2680.66	420.14