Supplementary information

Table S1. Stability constants of the mononuclear Ni(II) and Co(II) complexes (log K) with L1, L2, and L3 (0.15 NaCl, 298.1 K) in anaerobic conditions.

Reaction		Log K	
	L1 ^(a)	L2	L3
$Ni + L = NiL^{(b)}$	9.94(4) ^(c)	11.7(1)	12.38(9)
NiL + H = NiHL	8.13(8)	9.2(1)	8.9(1)
$NiHL + H = NiH_2L$	7.52(7)	8.1(1)	7.77(9)
$NiH_2L + H = NiH_3L$			5.75(8)
NiL + OH = NiL(OH)	2.9(1)		2.8(1)
$C_0 + L = C_0L$	7.12(4)	9.3(1)	8.40(3)
CoL + H = CoHL	8.67(7)	8.7(1)	9.21(4)
$CoHL + H = CoH_2L$	7.61(6)	7.6(1)	8.26(4)
$CoH_2L + H = CoH_3L$	6.3(1)		
CoL + OH = CoL(OH)		4.5(1)	
$Co + L + 2H = CoH_2L$	23.40(7)	25.87(1)	25.94(3)

⁽a) Taken from ref. 27b

⁽b) Charged omitted for clarity

 $^{^{(}c)}$ Value in parentheses are standard deviation in the last significant figure.

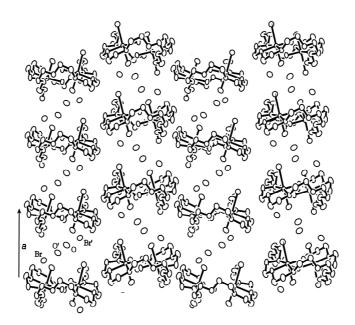


Figure S1. Crystal packing of $[Ni_2L1Br_2(H_2O)_4]Br_2'2H_2O$ showing the pillars growing along the *a* axis. The labelled Br, Br', O and O' atoms are symmetry related by an inversion centre.