

Table S3. Selected bond lengths for crystal structure lv-117-226

Bond	Length	Bond	Length
Z1–O6 ³	2.058(7)	Si2–O4	1.640(6)
Z1–O6 ⁴	2.058(7)	Si2–O5	1.641(7)
Z1–O8 ⁵	2.082(6)	Si2–O6	1.588(7)
Z1–O8	2.082(6)	Si2–O12	1.589(7)
Z1–O11 ⁵	2.071(5)	<Si2–O>	1.615
Z1–O11	2.071(5)		
<Z1–O>	2.070	Si3–O1 ⁹	1.646(6)
		Si3–O5	1.638(7)
M1A–O3 ⁹	2.431(7)	Si3–O7	1.595(7)
M1A–O3 ¹⁰	2.431(7)	Si3–O8	1.592(6)
M1A–O7	2.405(7)	<Si3–O>	1.618
M1A–O7 ¹	2.405(7)		
M1A–O9	2.309(8)	Si4–O9	1.580(4)
M1A–O9 ¹	2.309(8)	Si4–O10	1.647(8)
<M1A–O>	2.382	Si4–O10 ¹³	1.637(8)
		Si4–O11	1.600(4)
M1B–O3	2.370(7)	<Si4–O>	1.616
M1B–O3 ¹	2.370(7)		
M1B–O9 ⁶	2.289(9)	N1–O3 ¹	2.661(5)
M1B–O9 ⁷	2.289(9)	N1–O6	2.834(9)
M1B–O12	2.314(7)	N1–O7 ⁷	2.433(8)
M1B–O12 ¹	2.314(7)	N1–O8 ⁷	2.807(8)
<M1B–O>	2.324	N1–O9 ⁷	2.835(6)
		N1–O12	2.477(8)
M2A–O7 ¹	2.138(8)	N1–O13 ¹⁵	2.79(8)
M2A–O7	2.138(8)	N1–O13 ¹	2.79(8)
M2A–O12 ¹	2.135(8)	N1 –X2A	2.974(8)
M2A–O12	2.135(8)	N1 –X2B	2.598(4)
<M2A–O>	2.137	<N1–O>	
M3–O2 ⁸	1.671(7)	N3–O1 ¹²	2.640(8)
M3–O2	1.671(7)	N3–O4 ¹²	2.841(9)
M3–O2 ⁹	1.671(7)	N3–O5	2.593(6)
M3–O13 ⁸	1.99(4)	N3–O6	2.606(11)
M3–O13	1.99(4)	N3–O8	2.581(10)
M3–O13 ⁹	1.99(4)	N3–O10 ⁵	2.601(6)
<M3–O>	1.831	N3–O11 ¹⁴	2.615(12)
		N3–O11 ⁵	2.703(12)
M4–O2	1.559(6)	N3–X1B	2.947(17)
M4–O2 ⁸	1.559(6)	<N3–O>	2.681
M4–O2 ⁹	1.559(6)		
M4–O14	1.594(14)	N4–O5	2.819(13)
<M4–O>	1.568	N4–O6	2.54(2)
		N4–O8	2.44(2)
Si1–O1	1.651(6)	N4–O10 ⁵	2.770(13)

Si1–O2	1.611(6)	N4–O11 ⁵	2.49(2)
Si1–O3	1.577(4)	N4–O11 ¹⁴	2.49(2)
Si1–O4	1.621(7)	N4–X2A	2.901(19)
<Si1–O>	1.615	N4–X1B	2.16(2)
		<N4–O>	2.576

¹2/3-Y+X,4/3-Y,1/3-Z; ²-1/3+Y,-2/3+X,1/3-Z; ³1/3-Y+X,5/3-Y,2/3-Z; ⁴1+Y-X,2-X,+Z; ⁵4/3-X,2/3-X+Y,2/3-Z; ⁶5/3-X,1/3-X+Y,1/3-Z; ⁷2-Y,1+X-Y,+Z; ⁸1+Y-X,1-X,+Z; ⁹1-Y,+X-Y,+Z; ¹⁰5/3-X,4/3-X+Y,1/3-Z; ¹¹1/3-Y+X,2/3-Y,2/3-Z; ¹²1/3+Y,-1/3+X,2/3-Z; ¹³1-Y,1+X-Y,+Z; ¹⁴4/3-Y+X,5/3-Y,2/3-Z; ¹⁵2/3+Y,1/3+X,1/3-Z