Supporting Information

Selected Bond Lengths (Å) and Angles (deg) for **1—9**

Complex **1**

Pr(1)-O(9)	2.421(3)	Pr(1)-O(7)#1	2.448(3)	Pr(1)-O(5)	2.450(3)
Pr(1)-O(3)#2	2.451(3)	Pr(1)-O(11)#3	2.600(3)	Pr(1)-O(1)	2.606(3)
Pr(1)-N(1)	2.615(4)	Pr(1)-N(6)#3	2.626(4)	Pr(1)-N(3)	2.635(5)
Pr(2)-O(16)	2.404(3)	Pr(2)-O(4)#4	2.411(3)	Pr(2)-O(13)	2.499(3)
Pr(2)-O(11)#3	2.521(3)	Pr(2)-O(14)	2.522(4)	Pr(2)-O(8)#1	2.576(4)
Pr(2)-O(15)	2.582(4)	Pr(2)-O(1)	2.587(3)	Pr(2)-O(7)#1	2.653(3)
O(9)-Pr(1)-O(7)#1	82.26(11)	O(9)-Pr(1)-O(5)	82.97(11)	O(7)#1-Pr(1)-O(5)	161.09(11)
O(9)-Pr(1)-O(3)#2	70.18(11)	O(7)#1-Pr(1)-O(3)#2	81.10(12)	O(5)-Pr(1)-O(3)#2	82.81(11)
O(9)-Pr(1)-O(11)#3	149.42(11)	O(7)#1-Pr(1)-O(11)#3	67.17(11)	O(5)-Pr(1)-O(11)#3	126.65(11)
O(3)#2-Pr(1)-O(11)#3	102.97(11)	O(9)-Pr(1)-O(1)	104.63(11)	O(7)#1-Pr(1)-O(1)	65.81(10)
O(5)-Pr(1)-O(1)	129.85(11)	O(3)#2-Pr(1)-O(1)	146.90(11)	O(11)#3-Pr(1)-O(1)	64.24(10)
O(9)-Pr(1)-N(1)	71.23(13)	O(7)#1-Pr(1)-N(1)	110.47(13)	O(5)-Pr(1)-N(1)	75.56(12)
O(3)#2-Pr(1)-N(1)	137.54(12)	O(11)#3-Pr(1)-N(1)	119.30(12)	O(1)-Pr(1)-N(1)	61.41(11)
O(9)-Pr(1)-N(6)#3	132.45(12)	O(7)#1-Pr(1)-N(6)#3	107.85(13)	O(5)-Pr(1)-N(6)#3	74.19(13)
O(3)#2-Pr(1)-N(6)#3	66.05(12)	O(11)#3-Pr(1)-N(6)#3	61.38(11)	O(1)-Pr(1)-N(6)#3	122.13(11)
N(1)-Pr(1)-N(6)#3	137.48(14)	O(9)-Pr(1)-N(3)	132.64(13)	O(7)#1-Pr(1)-N(3)	135.61(12)
O(5)-Pr(1)-N(3)	63.22(12)	O(3)#2-Pr(1)-N(3)	130.92(12)	O(11)#3-Pr(1)-N(3)	75.02(13)
O(1)-Pr(1)-N(3)	77.51(12)	N(1)-Pr(1)-N(3)	68.94(14)	N(6)#3-Pr(1)-N(3)	71.01(13)
O(16)-Pr(2)-O(4)#4	77.15(12)	O(16)-Pr(2)-O(13)	75.32(12)	O(4)#4-Pr(2)-O(13)	75.54(12)
O(16)-Pr(2)-O(11)#3	74.30(10)	O(4)#4-Pr(2)-O(11)#3	144.91(12)	O(13)-Pr(2)-O(11)#3	115.55(12)
O(16)-Pr(2)-O(14)	139.58(14)	O(4)#4-Pr(2)-O(14)	77.16(14)	O(13)-Pr(2)-O(14)	68.37(16)
O(11)#3-Pr(2)-O(14)	137.77(12)	O(16)-Pr(2)-O(8)#1	136.57(14)	O(4)#4-Pr(2)-O(8)#1	83.49(12)
O(13)-Pr(2)-O(8)#1	136.20(12)	O(11)#3-Pr(2)-O(8)#1	103.76(13)	O(14)-Pr(2)-O(8)#1	69.70(18)
O(16)-Pr(2)-O(15)	70.70(14)	O(4)#4-Pr(2)-O(15)	75.23(14)	O(13)-Pr(2)-O(15)	139.05(12)
O(11)#3-Pr(2)-O(15)	76.37(14)	O(14)-Pr(2)-O(15)	130.39(17)	O(8)#1-Pr(2)-O(15)	66.89(14)
O(16)-Pr(2)-O(1)	111.22(12)	O(4)#4-Pr(2)-O(1)	145.88(12)	O(13)-Pr(2)-O(1)	75.02(10)
O(11)#3-Pr(2)-O(1)	65.62(10)	O(14)-Pr(2)-O(1)	76.24(13)	O(8)#1-Pr(2)-O(1)	106.61(11)
O(15)-Pr(2)-O(1)	138.86(12)	O(16)-Pr(2)-O(7)#1	137.67(11)	O(4)#4-Pr(2)-O(7)#1	132.73(11)
O(13)-Pr(2)-O(7)#1	133.51(11)	O(11)#3-Pr(2)-O(7)#1	65.34(10)	O(14)-Pr(2)-O(7)#1	82.08(14)
O(8)#1-Pr(2)-O(7)#1	49.41(11)	O(15)-Pr(2)-O(7)#1	87.43(12)	O(1)-Pr(2)-O(7)#1	63.27(10)

Complex **2**

Nd(1)-O(15)	2.395(3)	Nd(1)-O(4)#1	2.402(3)	Nd(1)-O(14)	2.481(3)
Nd(1)-O(9)	2.505(3)	Nd(1)-O(13)	2.510(3)	Nd(1)-O(8)#2	2.558(4)
Nd(1)-O(16)	2.565(4)	Nd(1)-O(1)	2.572(3)	Nd(1)-O(7)#2	2.640(3)
Nd(2)-O(11)#3	2.405(3)	Nd(2)-O(5)	2.434(3)	Nd(2)-O(7)#2	2.437(3)
Nd(2)-O(3)#4	2.442(3)	Nd(2)-O(9)	2.590(3)	Nd(2)-N(1)	2.598(4)
Nd(2)-O(1)	2.599(3)	Nd(2)-N(5)	2.608(4)	Nd(2)-N(3)	2.625(4)
O(15)-Nd(1)-O(4)#1	76.95(12)	O(15)-Nd(1)-O(14)	74.81(12)	O(4)#1-Nd(1)-O(14)	75.41(11)
O(15)-Nd(1)-O(9)	74.50(10)	O(4)#1-Nd(1)-O(9)	144.81(12)	O(14)-Nd(1)-O(9)	115.56(12)
O(15)-Nd(1)-O(13)	139.95(14)	O(4)#1-Nd(1)-O(13)	77.51(14)	O(14)-Nd(1)-O(13)	69.21(15)
O(9)-Nd(1)-O(13)	137.47(12)	O(15)-Nd(1)-O(8)#2	136.88(13)	O(4)#1-Nd(1)-O(8)#2	83.27(11)
O(14)-Nd(1)-O(8)#2	135.95(12)	O(9)-Nd(1)-O(8)#2	104.12(12)	O(13)-Nd(1)-O(8)#2	68.77(17)
O(15)-Nd(1)-O(16)	71.19(13)	O(4)#1-Nd(1)-O(16)	75.73(13)	O(14)-Nd(1)-O(16)	139.32(12)
O(9)-Nd(1)-O(16)	75.89(13)	O(13)-Nd(1)-O(16)	130.14(16)	O(8)#2-Nd(1)-O(16)	66.93(14)
O(15)-Nd(1)-O(1)	110.72(12)	O(4)#1-Nd(1)-O(1)	146.00(11)	O(14)-Nd(1)-O(1)	75.04(10)
O(9)-Nd(1)-O(1)	65.42(10)	O(13)-Nd(1)-O(1)	76.57(13)	O(8)#2-Nd(1)-O(1)	107.11(11)
O(16)-Nd(1)-O(1)	138.26(12)	O(15)-Nd(1)-O(7)#2	138.04(11)	O(4)#1-Nd(1)-O(7)#2	132.89(11
O(14)-Nd(1)-O(7)#2	133.52(11)	O(9)-Nd(1)-O(7)#2	65.38(10)	O(13)-Nd(1)-O(7)#2	81.32(14)
O(8)#2-Nd(1)-O(7)#2	49.78(10)	O(16)-Nd(1)-O(7)#2	87.14(12)	O(1)-Nd(1)-O(7)#2	63.38(10)
O(11)#3-Nd(2)-O(5)	82.74(11)	O(11)#3-Nd(2)-O(7)#2	82.13(11)	O(5)-Nd(2)-O(7)#2	160.62(11)
O(11)#3-Nd(2)-O(3)#4	69.87(11)	O(5)-Nd(2)-O(3)#4	81.84(11)	O(7)#2-Nd(2)-O(3)#4	81.63(11)
O(11)#3-Nd(2)-O(9)	149.21(11)	O(5)-Nd(2)-O(9)	127.08(11)	O(7)#2-Nd(2)-O(9)	67.09(11)
O(3)#4-Nd(2)-O(9)	103.64(11)	O(11)#3-Nd(2)-N(1)	71.33(12)	O(5)-Nd(2)-N(1)	75.67(12)
O(7)#2-Nd(2)-N(1)	110.54(12)	O(3)#4-Nd(2)-N(1)	137.04(12)	O(9)-Nd(2)-N(1)	119.16(12)
O(11)#3-Nd(2)-O(1)	104.78(11)	O(5)-Nd(2)-O(1)	130.28(10)	O(7)#2-Nd(2)-O(1)	65.79(10)
O(3)#4-Nd(2)-O(1)	147.41(11)	O(9)-Nd(2)-O(1)	63.84(10)	N(1)-Nd(2)-O(1)	61.62(11)
O(11)#3-Nd(2)-N(5)	132.35(12)	O(5)-Nd(2)-N(5)	74.06(12)	O(7)#2-Nd(2)-N(5)	108.02(13)
O(3)#4-Nd(2)-N(5)	66.09(12)	O(9)-Nd(2)-N(5)	61.74(11)	N(1)-Nd(2)-N(5)	137.31(14)
O(1)-Nd(2)-N(5)	122.06(11)	O(11)#3-Nd(2)-N(3)	132.88(12)	O(5)-Nd(2)-N(3)	63.58(12)
O(7)#2-Nd(2)-N(3)	135.71(12)	O(3)#4-Nd(2)-N(3)	130.41(12)	O(9)-Nd(2)-N(3)	74.98(13)
N(1)-Nd(2)-N(3)	69.13(14)	O(1)-Nd(2)-N(3)	77.66(11)	N(5)-Nd(2)-N(3)	70.71(13)

Complex **3**

Sm(1)-O(14)	2.359(3)	Sm(1)-O(4)#1	2.383(3)	Sm(1)-O(13)	2.451(3)
Sm(1)-O(9)	2.473(3)	Sm(1)-O(16)	2.475(3)	Sm(1)-O(15)	2.527(3)

Sm(1)-O(8)#2	2.529(3)	Sm(1)-O(1)	2.542(3)	Sm(1)-O(7)#2	2.625(3)
Sm(2)-O(11)#3	2.373(3)	Sm(2)-O(7)#2	2.401(3)	Sm(2)-O(5)	2.410(3)
Sm(2)-O(3)#4	2.422(3)	Sm(2)-O(9)	2.570(3)	Sm(2)-O(1)	2.577(3)
Sm(2)-N(1)	2.578(4)	Sm(2)-N(3)	2.580(4)	Sm(2)-N(5)	2.592(4)
O(14)-Sm(1)-O(4)#1	76.98(11)	O(14)-Sm(1)-O(13)	74.13(10)	O(4)#1-Sm(1)-O(13)	75.09(11)
O(14)-Sm(1)-O(9)	74.69(9)	O(4)#1-Sm(1)-O(9)	144.87(12)	O(13)-Sm(1)-O(9)	115.72(11)
O(14)-Sm(1)-O(16)	140.22(12)	O(4)#1-Sm(1)-O(16)	77.48(12)	O(13)-Sm(1)-O(16)	70.13(13)
O(9)-Sm(1)-O(16)	137.38(11)	O(14)-Sm(1)-O(15)	71.25(11)	O(4)#1-Sm(1)-O(15)	75.47(12)
O(13)-Sm(1)-O(15)	138.53(10)	O(9)-Sm(1)-O(15)	76.05(12)	O(16)-Sm(1)-O(15)	129.60(15)
O(14)-Sm(1)-O(8)#2	137.05(12)	O(4)#1-Sm(1)-O(8)#2	83.13(10)	O(13)-Sm(1)-O(8)#2	136.09(10)
O(9)-Sm(1)-O(8)#2	104.10(10)	O(16)-Sm(1)-O(8)#2	68.14(14)	O(15)-Sm(1)-O(8)#2	67.04(12)
O(14)-Sm(1)-O(1)	110.31(11)	O(4)#1-Sm(1)-O(1)	146.27(10)	O(13)-Sm(1)-O(1)	75.59(9)
O(9)-Sm(1)-O(1)	65.08(9)	O(16)-Sm(1)-O(1)	77.17(12)	O(15)-Sm(1)-O(1)	138.25(11)
O(8)#2-Sm(1)-O(1)	107.36(10)	O(14)-Sm(1)-O(7)#2	137.91(9)	O(4)#1-Sm(1)-O(7)#2	133.23(10)
O(13)-Sm(1)-O(7)#2	133.94(10)	O(9)-Sm(1)-O(7)#2	64.93(9)	O(16)-Sm(1)-O(7)#2	81.16(12)
O(15)-Sm(1)-O(7)#2	87.50(10)	O(8)#2-Sm(1)-O(7)#2	50.25(10)	O(1)-Sm(1)-O(7)#2	63.14(9)
O(11)#3-Sm(2)-O(7)#2	82.29(10)	O(11)#3-Sm(2)-O(5)	82.24(10)	O(7)#2-Sm(2)-O(5)	159.92(9)
O(11)#3-Sm(2)-O(3)#4	69.74(9)	O(7)#2-Sm(2)-O(3)#4	81.74(10)	O(5)-Sm(2)-O(3)#4	80.94(10)
O(11)#3-Sm(2)-O(9)	149.06(10)	O(7)#2-Sm(2)-O(9)	66.77(10)	O(5)-Sm(2)-O(9)	127.86(9)
O(3)#4-Sm(2)-O(9)	104.59(10)	O(11)#3-Sm(2)-O(1)	104.51(9)	O(7)#2-Sm(2)-O(1)	65.74(9)
O(5)-Sm(2)-O(1)	131.00(10)	O(3)#4-Sm(2)-O(1)	147.48(10)	O(9)-Sm(2)-O(1)	63.23(8)
O(11)#3-Sm(2)-N(1)	71.15(11)	O(7)#2-Sm(2)-N(1)	111.20(12)	O(5)-Sm(2)-N(1)	75.50(11)
O(3)#4-Sm(2)-N(1	136.43(10)	O(9)-Sm(2)-N(1)	118.84(10)	O(1)-Sm(2)-N(1)	62.09(10)
O(11)#3-Sm(2)-N(3)	133.00(12)	O(7)#2-Sm(2)-N(3)	135.73(11)	O(5)-Sm(2)-N(3)	64.21(11)
O(3)#4-Sm(2)-N(3)	130.10(10)	O(9)-Sm(2)-N(3)	74.75(11)	O(1)-Sm(2)-N(3)	78.08(10)
N(1)-Sm(2)-N(3)	69.28(12)	O(11)#3-Sm(2)-N(5)	132.57(10)	O(7)#2-Sm(2)-N(5)	107.20(12)
O(5)-Sm(2)-N(5)	74.69(12)	O(3)#4-Sm(2)-N(5)	66.11(10)	O(9)-Sm(2)-N(5)	61.98(10)
O(1)-Sm(2)-N(5)	121.99(10)	N(1)-Sm(2)-N(5)	137.52(13)	N(3)-Sm(2)-N(5)	70.77(12)

Complex **4**

Eu(1)-O(8)	2.337(8)	Eu(1)-O(10)#1	2.360(8)	Eu(1)-O(6)	2.364(3)
Eu(1)-O(1)#2	2.373(3)	Eu(1)-O(3)	2.410(2)	Eu(1)-O(7)	2.435(3)
Eu(1)-O(5)	2.441(3)	Eu(1)-O(4)#3	2.448(3)	Eu(1)-N(2)#3	2.518(3)
O(8)-Eu(1)-O(10)#1	10.1(3)	O(8)-Eu(1)-O(6)	142.75(19)	O(10)#1-Eu(1)-O(6)	150.10(19)
O(8)-Eu(1)-O(1)#2	140.8(2)	O(10)#1-Eu(1)-O(1)#2	136.5(2)	O(6)-Eu(1)-O(1)#2	73.11(9)

O(8)-Eu(1)-O(3)	75.99(17)	O(10)#1-Eu(1)-O(3)	86.07(18)	O(6)-Eu(1)-O(3)	74.01(9)
O(1)#2-Eu(1)-O(3)	114.40(9)	O(8)-Eu(1)-O(7)	77.92(19)	O(10)#1-Eu(1)-O(7)	69.1(2)
O(6)-Eu(1)-O(7)	138.59(10)	O(1)#2-Eu(1)-O(7)	72.32(11)	O(3)-Eu(1)-O(7)	142.35(10)
O(8)-Eu(1)-O(5)	75.26(19)	O(10)#1-Eu(1)-O(5)	78.33(19)	O(6)-Eu(1)-O(5)	114.76(9)
O(1)#2-Eu(1)-O(5)	73.14(10)	O(3)-Eu(1)-O(5)	71.84(10)	O(7)-Eu(1)-O(5)	75.59(11)
O(8)-Eu(1)-O(4)#3	77.8(2)	O(10)#1-Eu(1)-O(4)#3	78.3(2)	O(6)-Eu(1)-O(4)#3	77.71(9)
O(1)#2-Eu(1)-O(4)#3	138.44(9)	O(3)-Eu(1)-O(4)#3	84.31(9)	O(7)-Eu(1)-O(4)#3	115.98(10)
O(5)-Eu(1)-O(4)#3	147.51(10)	O(8)-Eu(1)-N(2)#3	114.45(18)	O(10)#1-Eu(1)-N(2)#3	106.45(18)
O(6)-Eu(1)-N(2)#3	78.23(10)	O(1)#2-Eu(1)-N(2)#3	81.82(9)	O(3)-Eu(1)-N(2)#3	141.24(9)
O(7)-Eu(1)-N(2)#3	74.94(11)	O(5)-Eu(1)-N(2)#3	145.88(11)	O(4)#3-Eu(1)-N(2)#3	63.53(9)

Complex **5**

Gd(1)-O(8)	2.336(8)	Gd(1)-O(10)#1	2.357(7)	Gd(1)-O(6)	2.368(3)
Gd(1)-O(1)#2	2.380(3)	Gd(1)-O(3)	2.415(2)	Gd(1)-O(5)	2.435(3)
Gd(1)-O(7)	2.443(3)	Gd(1)-O(4)#3	2.449(2)	Gd(1)-N(2)#3	2.515(3)
O(8)-Gd(1)-O(10)#1	9.8(3)	O(8)-Gd(1)-O(6)	142.89(19)	O(10)#1-Gd(1)-O(6)	149.89(19)
O(8)-Gd(1)-O(1)#2	140.8(2)	O(10)#1-Gd(1)-O(1)#2	136.7(2)	O(6)-Gd(1)-O(1)#2	73.11(9)
O(8)-Gd(1)-O(3)	76.35(17)	O(10)#1-Gd(1)-O(3)	86.12(18)	O(6)-Gd(1)-O(3)	73.97(9)
O(1)#2-Gd(1)-O(3)	114.14(9)	O(8)-Gd(1)-O(5)	75.55(19)	O(10)#1-Gd(1)-O(5)	78.63(19)
O(6)-Gd(1)-O(5)	114.79(9)	O(1)#2-Gd(1)-O(5)	72.86(10)	O(3)-Gd(1)-O(5)	71.95(10)
O(8)-Gd(1)-O(7)	77.53(19)	O(10)#1-Gd(1)-O(7)	69.08(19)	O(6)-Gd(1)-O(7)	138.81(10)
O(1)#2-Gd(1)-O(7)	72.51(10)	O(3)-Gd(1)-O(7)	142.09(10)	O(5)-Gd(1)-O(7)	75.25(11)
O(8)-Gd(1)-O(4)#3	77.5(2)	O(10)#1-Gd(1)-O(4)#3	77.9(2)	O(6)-Gd(1)-O(4)#3	77.80(9)
O(1)#2-Gd(1)-O(4)#3	138.75(9)	O(3)-Gd(1)-O(4)#3	84.26(8)	O(5)-Gd(1)-O(4)#3	147.48(10)
O(7)-Gd(1)-O(4)#3	116.10(10)	O(8)-Gd(1)-N(2)#3	114.03(18)	O(10)#1-Gd(1)-N(2)#3	106.16(18)
O(6)-Gd(1)-N(2)#3	78.45(10)	O(1)#2-Gd(1)-N(2)#3	81.94(9)	O(3)-Gd(1)-N(2)#3	141.53(9)
O(5)-Gd(1)-N(2)#3	145.50(10)	O(7)-Gd(1)-N(2)#3	74.92(10)	O(4)#3-Gd(1)-N(2)#3	63.86(9)

Complex **6**

Tb(1)-O(8)	2.318(7)	Tb(1)-O(10)#1	2.338(7)	Tb(1)-O(6)	2.346(2)
Tb(1)-O(1)#2	2.367(2)	Tb(1)-O(3)	2.404(2)	Tb(1)-O(5)	2.414(2)
Tb(1)-O(7)	2.428(3)	Tb(1)-O(4)#3	2.437(2)	Tb(1)-N(2)#3	2.497(3)
O(8)-Tb(1)-O(10)#1	10.0(2)	O(8)-Tb(1)-O(6)	142.40(17)	O(10)#1-Tb(1)-O(6)	149.61(17)
O(8)-Tb(1)-O(1)#2	141.09(18)	O(10)#1-Tb(1)-O(1)#2	136.84(18)	O(6)-Tb(1)-O(1)#2	73.20(8)
O(8)-Tb(1)-O(3)	76.05(16)	O(10)#1-Tb(1)-O(3)	86.02(16)	O(6)-Tb(1)-O(3)	73.92(8)
O(1)#2-Tb(1)-O(3)	113.88(8)	O(8)-Tb(1)-O(5)	75.34(17)	O(10)#1-Tb(1)-O(5)	78.35(17)

O(6)-Tb(1)-O(5)	115.18(8)	O(1)#2-Tb(1)-O(5)	72.96(9)	O(3)-Tb(1)-O(5)	71.93(8)
O(8)-Tb(1)-O(7)	77.87(17)	O(10)#1-Tb(1)-O(7)	69.23(18)	O(6)-Tb(1)-O(7)	138.99(9)
O(1)#2-Tb(1)-O(7)	72.53(10)	O(3)-Tb(1)-O(7)	141.81(9)	O(5)-Tb(1)-O(7)	74.81(9)
O(8)-Tb(1)-O(4)#3	77.30(17)	O(10)#1-Tb(1)-O(4)#3	77.82(18)	O(6)-Tb(1)-O(4)#3	77.62(8)
O(3)-Tb(1)-O(4)#3	84.16(7)	O(1)#2-Tb(1)-O(4)#3	138.94(8)	O(5)-Tb(1)-O(4)#3	147.16(9)
O(7)-Tb(1)-O(4)#3	116.52(9)	O(8)-Tb(1)-N(2)#3	114.18(16)	O(10)#1-Tb(1)-N(2)#3	106.22(16)
O(6)-Tb(1)-N(2)#3	78.50(9)	O(1)#2-Tb(1)-N(2)#3	82.04(8)	O(3)-Tb(1)-N(2)#3	141.69(8)
O(5)-Tb(1)-N(2)#3	145.40(9)	O(7)-Tb(1)-N(2)#3	75.09(9)	O(4)#3-Tb(1)-N(2)#3	64.13(8)

Complex **7**

Dy(1)-O(1)#1	2.304(3)	Dy(1)-O(2)	2.323(3)	Dy(1)-O(10)	2.328(3)
Dy(1)-O(9)	2.343(4)	Dy(1)-O(6)#2	2.358(3)	Dy(1)-N(3)	2.419(4)
Dy(1)-O(3)	2.459(3)	Dy(1)-N(2)	2.519(4)		
O(1)#1-Dy(1)-O(2)	77.61(12)	O(1)#1-Dy(1)-O(10)	144.57(11)	O(2)-Dy(1)-O(10)	78.03(12)
O(1)#1-Dy(1)-O(9)	69.84(12)	O(2)-Dy(1)-O(9)	114.28(13)	O(10)-Dy(1)-O(9)	144.67(11)
O(1)#1-Dy(1)-O(6)#2	140.22(11)	O(2)-Dy(1)-O(6)#2	136.01(10)	O(10)-Dy(1)-O(6)#2	73.87(11)
O(9)-Dy(1)-O(6)#2	75.39(12)	O(1)#1-Dy(1)-N(3)	86.00(13)	O(2)-Dy(1)-N(3)	142.49(12)
O(10)-Dy(1)-N(3)	98.20(13)	O(9)-Dy(1)-N(3)	90.49(14)	O(6)#2-Dy(1)-N(3)	75.41(12)
O(1)#1-Dy(1)-O(3)	74.14(12)	O(2)-Dy(1)-O(3)	78.38(11)	O(10)-Dy(1)-O(3)	76.05(11)
O(9)-Dy(1)-O(3)	137.38(12)	O(6)#2-Dy(1)-O(3)	124.99(12)	N(3)-Dy(1)-O(3)	64.68(11)
O(1)#1-Dy(1)-N(2)	110.76(13)	O(2)-Dy(1)-N(2)	65.61(11)	O(10)-Dy(1)-N(2)	81.54(13)
O(9)-Dy(1)-N(2)	75.04(13)	O(6)#2-Dy(1)-N(2)	77.23(11)	N(3)-Dy(1)-N(2)	151.53(13)
O(3)-Dy(1)-N(2)	140.76(11)				

Complex **8**

Ho(1)-O(4)#1	2.299(2)	Ho(1)-O(3)	2.317(2)	Ho(1)-O(9)	2.325(2)
Ho(1)-O(10)	2.332(2)	Ho(1)-O(7)#2	2.351(2)	Ho(1)-N(3)	2.418(3)
Ho(1)-O(2)	2.456(2)	Ho(1)-N(2)	2.514(3)		
O(4)#1-Ho(1)-O(3)	77.84(9)	O(4)#1-Ho(1)-O(9)	144.58(8)	O(3)-Ho(1)-O(9)	78.03(8)
O(4)#1-Ho(1)-O(10)	69.86(9)	O(3)-Ho(1)-O(10)	114.38(9)	O(9)-Ho(1)-O(10)	144.72(8)
O(4)#1-Ho(1)-O(7)#2	140.28(8)	O(3)-Ho(1)-O(7)#2	136.02(8)	O(9)-Ho(1)-O(7)#2	73.65(8)
O(10)-Ho(1)-O(7)#2	75.65(8)	O(4)#1-Ho(1)-N(3)	85.54(9)	O(3)-Ho(1)-N(3)	142.24(8)
O(9)-Ho(1)-N(3)	98.20(9)	O(10)-Ho(1)-N(3)	90.51(9)	O(7)#2-Ho(1)-N(3)	75.52(8)
O(4)#1-Ho(1)-O(2)	74.10(9)	O(3)-Ho(1)-O(2)	77.96(8)	O(9)-Ho(1)-O(2)	75.79(8)
O(10)-Ho(1)-O(2)	137.63(8)	O(7)#2-Ho(1)-O(2)	124.91(8)	N(3)-Ho(1)-O(2)	64.88(8)
O(4)#1-Ho(1)-N(2)	111.12(9)	O(3)-Ho(1)-N(2)	65.80(8)	O(9)-Ho(1)-N(2)	81.59(9)

O(10)-Ho(1)-N(2)	75.03(9)	O(7)#2-Ho(1)-N(2)	77.23(8)	N(3)-Ho(1)-N(2)	151.59(9)
O(2)-Ho(1)-N(2)	140.48(8)				

Complex **9**

Er(1)-O(6)#1	2.286(3)	Er(1)-O(5)	2.303(3)	Er(1)-O(10)	2.304(3)
Er(1)-O(9)	2.318(3)	Er(1)-O(4)#2	2.348(3)	Er(1)-N(1)	2.399(3)
Er(1)-O(1)	2.440(3)	Er(1)-N(3)	2.499(3)		
O(6)#1-Er(1)-O(5)	77.81(11)	O(6)#1-Er(1)-O(10)	144.63(11)	O(5)-Er(1)-O(10)	78.27(11)
O(6)#1-Er(1)-O(9)	69.75(11)	O(5)-Er(1)-O(9)	114.23(12)	O(10)-Er(1)-O(9)	144.82(11)
O(6)#1-Er(1)-O(4)#2	139.92(11)	O(5)-Er(1)-O(4)#2	136.34(9)	O(10)-Er(1)-O(4)#2	73.89(11)
O(9)-Er(1)-O(4)#2	75.48(12)	O(6)#1-Er(1)-N(1)	85.21(13)	O(5)-Er(1)-N(1)	142.22(11)
O(10)-Er(1)-N(1)	98.33(13)	O(9)-Er(1)-N(1)	90.34(13)	O(4)#2-Er(1)-N(1)	75.53(11)
O(6)#1-Er(1)-O(1)	74.08(11)	O(5)-Er(1)-O(1)	77.64(10)	O(10)-Er(1)-O(1)	75.64(11)
O(9)-Er(1)-O(1)	137.73(11)	O(4)#2-Er(1)-O(1)	125.22(11)	N(1)-Er(1)-O(1)	65.26(11)
O(6)#1-Er(1)-N(3)	111.23(13)	O(5)-Er(1)-N(3)	66.09(10)	O(10)-Er(1)-N(3)	81.81(13)
O(9)-Er(1)-N(3)	74.84(13)	O(4)#2-Er(1)-N(3)	77.10(11)	N(1)-Er(1)-N(3)	151.40(12)
O(1)-Er(1)-N(3)	140.43(10)				

Symmetry codes follow. **1**: #1 x+1/2, y+1/2, z; #2 x+1/2, y-1/2, z; #3 x, y-1, z; #4 x+1/2, -y+1/2, z+1/2; #5 x-1/2, y+1/2, z; #6 x-1/2, -y+1/2, z-1/2; #7 x-1/2, y-1/2, z; #8 x, y+1, z. **2**: #1 x+1/2, -y+3/2, z+1/2; #2 x+1/2, y+1/2, z; #3 x, y+1, z; #4 x+1/2, y-1/2, z; #5 x-1/2, y+1/2, z; #6 x-1/2, -y+3/2, z-1/2; #7 x-1/2, y-1/2, z; #8 x, y-1, z. **3**: #1 x+1/2, -y+1/2, z+1/2; #2 x+1/2, y-1/2, z; #3 x, y-1, z; #4 x+1/2, y+1/2, z; #5 x-1/2, y-1/2, z; #6 x-1/2, -y+1/2, z-1/2; #7 x-1/2, y+1/2, z; #8 x, y+1, z. **4-6**: #1 -x+1, -y+1, -z+2; #2 x, y-1, z; #3 x, -y+1/2, z-1/2; #4 x, y+1, z; #5 x, -y+1/2, z+1/2. **7**: #1 -x+1/2, y+1/2, -z+1/2; #2 -x+3/2, y-1/2, -z+1/2; #3 -x+1/2, y-1/2, -z+1/2; #4 -x+3/2, y+1/2, -z+1/2. **8**: #1 -x-1/2, y+1/2, -z+1/2; #2 -x+1/2, y-1/2, -z+1/2; #3 -x-1/2, y-1/2, -z+1/2; #4 -x+1/2, y+1/2, -z+1/2. **9**: #1 -x+5/2, y+1/2, -z+1/2; #2 -x+3/2, y-1/2, -z+1/2; #3 -x+3/2, y+1/2, -z+1/2; #4 -x+5/2, y-1/2, -z+1/2.