Supplementary material

Figures showing structures of **3b, c.**

Table of crystallographic data for **3b, c**

Figure S1: Molecular structure and atom numbering scheme for **3b** with 50% displacement ellipsoids, all H atoms are omitted for clarity. Selected bond distances (Å) and angles (°):Rh—C(1) 2.061(7), Rh—N(1) 2.096(6), Rh—Cl(1) 2.411(2), C(1)—Rh—N(1) 84.5(2), C(1)—Rh—Cl(1) 91.5(2), N(1)—Rh—Cl(1) 87.29(19).

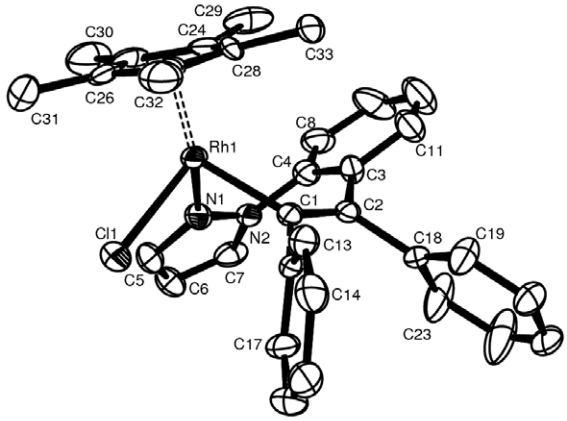

Figure S2: Molecular structure and atom numbering scheme for one molecule of **3c** with 50% displacement ellipsoids, all H atoms are omitted for clarity.

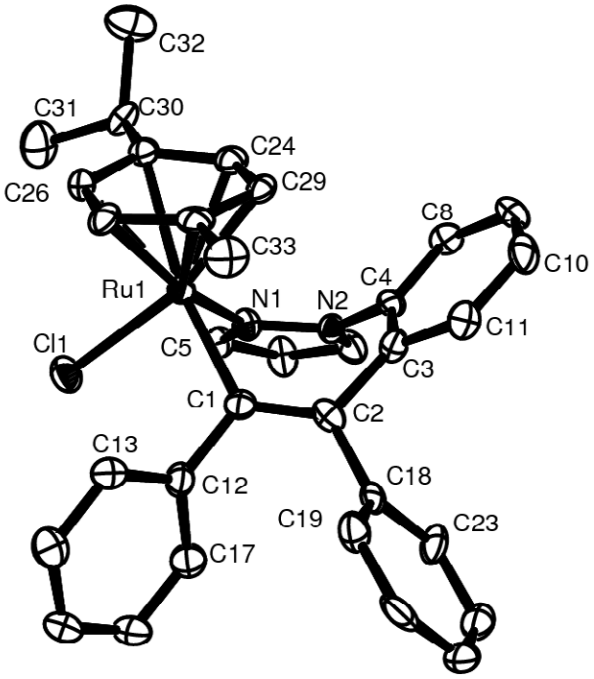

Table S1 Crystallographic data for **3b, c**

	3b	**3c**
Empirical formula	$C_{33}H_{32}ClN_2Rh$	C132 H130 Cl4 N8 O3 Ru4
Formula weight	594.97	2422.52
Temperature	150(2) K	150(2) K
Crystal system	Monoclinic	Orthorhombic
Space group	P2(1)/c	Pca2(1)
a/ Å	16.093(16)	23.312(3)
b/ Å	10.196(10)	13.9149(18)
c/ Å	17.116(17)	16.938(2)
α °	90°.	90°.
β °	98.266(17)	90°.
γ °	90°.	90°.
U/ $Å^3$	2779(5)	5494.4(12)
Z	4	2
Density (calc.) Mg/m^3	1.422	1.464
Abs. coefficient/ mm^{-1}	0.735	0.696
F(000)	1224	2492
Crystal size mm	0.24 x 0.15 x 0.10	0.18 x 0.13 x 0.11
Theta range	2.33 to 26.00	1.46 to 26.00
Index ranges	-19<=h<=19, -12<=k<=12, -21<=l<=21	-28<=h<=28, -17<=k<=17, -20<=l<=20
Reflections collected	20947	41341
Independent reflections (R_{int})	5457 [R(int) = 0.2108]	10752 [R(int) = 0.0988]
Data / restraints / parameters	5457 / 0 / 339	10752 / 1 / 692
Goodness-of-fit, F^2	1.133	0.887
Final R indices [I>2sigma(I)]	R1 = 0.0833, wR2 = 0.1803	R1 = 0.0461, wR2 = 0.0724
R indices (all data)	R1 = 0.1218, wR2 = 0.1993	R1 = 0.0646, wR2 = 0.0775
Largest diff. peak and hole/e $Å^{-3}$	1.074 and -1.762	0.814 and -0.440

Supplementary Material (ESI) for Dalton Transactions