Supporting Information

Binuclear (salen)osmium phosphinidine and phosphiniminato complexes

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Fig. S1 $^1$H NMR (400 MHz, CD$_3$CN) of 1a.
Fig. S2 ESI mass spectrum (+ve mode) of 1a in CH₃CN. Inset shows the expanded isotopic pattern.

Fig. S3 CV of [Os⁴⁺(N(H)PPh₃)(L¹)(OMe)](PF₆) (1a) in 0.1 M [⁺Bu₄N]PF₆ in CH₃CN.
Fig. S4 ESI mass spectrum (+ve mode) of 2 in CH$_3$CN. Inset shows the expanded isotopic pattern.

Fig. S5 ESI mass spectrum (+ve mode) of 3 in CH$_3$CN. Insets show the expanded isotopic patterns.
Fig. S6 ESI mass spectrum (+ve mode) of 4 in CH$_3$CN. Insets show the expanded isotopic patterns.
Fig. S7 ESI mass spectrum (+ve mode) of 5 in CH$_3$CN. Insets show the expanded patterns.
Fig. S8 ESI mass spectrum (+ve mode) of 6 in CH$_3$CN. Insets show the expanded patterns.
Fig. S9 CV of 5 (top) ($\Delta E_p = 140$ mV) and 6 (\(\Delta E_p = 80\) mV) (bottom) in CH$_3$CN.