Supplementary Information

Equilibrium studies of the reactions of palladium(II) bis(imidazolin-2-imine) complexes with biologically relevant nucleophiles. The crystal structures of $[(TL^{tBu})PdCl]ClO_4$ and $[(BL^{iPr})PdCl_2]$

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Table S1. Observed *pseudo*-first order rate constants as a function of nucleophile concentration for the reaction between $[(TL^{tBu})PdCl]^+$ and 5'-GMP in 0.1 M $NaClO_4$, 10 mM NaCl at 298 K.

T(K)	$10^3\ C_{5'\text{-GMP}}$/M	k_{obsd}/s^{-1}
298.0	2.40	0.14(5)
	4.00	0.18(6)
	6.00	0.22(6)
	8.00	0.33(5)
	10.00	0.36(6)

Table S2. Observed *pseudo*-first order rate constants as a function of nucleophile concentration for the reaction between $[(TL^{tBu})PdCl]^+$ and and L-Met in 0.1 M $NaClO_4$, 10 mM NaCl at 298 K.

T(K)	$10^3\ C_{L\text{-}Met}$/M	k_{obsd}/s^{-1}
310.0	2.40	0.26(5)
	4.00	0.36(6)
	6.00	0.48(6)
	8.00	0.63(5)
	10.00	0.90(6)

Table S3. Observed *pseudo*-first order rate constants as a function of nucleophile concentration for the reaction between $[(TL^{tBu})PdCl]^+$ and and L-His in 0.1 M $NaClO_4$, 10 mM NaCl at 298 K.

T(K)	$10^3\ C_{L\text{-}His}$/M	k_{obsd}/s^{-1}
310.0	2.40	0.09(5)
	4.00	0.14(6)
	6.00	0.17(6)
	8.00	0.20(5)
	10.00	0.25(6)