S1 Table. Values of coefficients k and b in Fig. 2, the corresponding RMSE and domains.

	A	G	U	C
η_+-μ_+	$\mathbf{(0.899, -85.6)}$ RMSE=22.6° $100° < \eta_+ < 460°$	$\mathbf{(0.848, -71.8)}$ RMSE=20.7° $100° < \eta_+ < 460°$	$\mathbf{(0.881, -80.7)}$ RMSE=16.7° $100° < \eta_+ < 460°$	$\mathbf{(0.909, -82.8)}$ RMSE=14.4° $100° < \eta_+ < 460°$
θ_--μ_-	$\mathbf{(0.878, 134.9)}$ RMSE=22.2° $0° < \theta_- < 360°$	$\mathbf{(0.841, 140.3)}$ RMSE=19.3° $0° < \theta_- < 360°$	$\mathbf{(0.954, 104.0)}$ RMSE=20.5° $0° < \theta_- < 360°$	$\mathbf{(0.885, 115.5)}$ RMSE=16.8° $0° < \theta_- < 360°$
ϕ_+-ω_+	$\mathbf{(1.095, 345.2)}$ RMSE=24.5° $0° < \phi_+ < 50°$ $\mathbf{(-0.630, 497.8)}$ RMSE=16.4° $50° < \phi_+ < 180°$ $\mathbf{(-0.266, 383.0)}$ RMSE=29.6° $180° < \phi_+ < 360°$	$\mathbf{(0.397, 361.2)}$ RMSE=24.6° $0° < \phi_+ < 50°$ $\mathbf{(-0.451, 480.1)}$ RMSE=11.9° $50° < \phi_+ < 150°$ $\mathbf{(-0.785, 507.6)}$ RMSE=20.3° $150° < \phi_+ < 300°$ $\mathbf{(0.869, 32.3)}$ RMSE=34.3° $300° < \phi_+ < 360°$	$\mathbf{(0.863, 28.5)}$ RMSE=23.0° $100° < \phi_+ < 180°$ $\mathbf{(0.204, 155.7)}$ RMSE=14.3° $180° < \phi_+ < 300°$	$\mathbf{(0.996, 9.8)}$ RMSE=24.6° $100° < \phi_+ < 180°$ $\mathbf{(0.308, 137.9)}$ RMSE=11.4° $180° < \phi_+ < 270°$
ϕ_--ω_-	$\mathbf{(-0.886, 431.4)}$ RMSE=22.8° $-60° < \phi_- < 200°$ $\mathbf{(0.324, 290.7)}$ RMSE=25.7° $200° < \phi_- < 300°$	$\mathbf{(-0.922, 435.8)}$ RMSE=15.5° $-60° < \phi_- < 220°$ $\mathbf{(0.343, 281.0)}$ RMSE=23.7° $220° < \phi_- < 300°$	$\mathbf{(0.703, 140.2)}$ RMSE=24.5° $-60° < \phi_- < 60°$ $\mathbf{(0.522, 145.7)}$ RMSE=13.3° $60° < \phi_- < 150°$	$\mathbf{(0.680, 139.2)}$ RMSE=27.3° $-60° < \phi_- < 60°$ $\mathbf{(0.644, 135.6)}$ RMSE=10.8° $60° < \phi_- < 150°$