A polyamide inhibits replication of vesicular stomatitis virus by targeting RNA in the nucleocapsid

Ryan H Gumpper[a,b], Weike Li[a], Carlos H Castaneda[c], Maria J Scuderi[c], James K Bashkin[c], and Ming Luo[a,d,*]

(Running title: Antiviral polyamide against NSV)

[a]Department of Chemistry, Georgia State University, Atlanta, GA 30302, USA

[b]Molecular Basis of Disease, Georgia State University, Atlanta, GA 30302, USA

[c]Department of Chemistry & Biochemistry, Center for Nanoscience, University of Missouri-St Louis, 1 University Bldv, St Louis, MO 63121, USA

[d]Center for Diagnostics and Therapeutics, Georgia State University, Atlanta, GA 30302, USA

Table S1 $2^{-\Delta\Delta C_T}$ Values for Minigenome

Comparison:	**$2^{-\Delta\Delta C_T}$**
UMSL1011:DMSO(control)	**0.33**
DMSO(control):Mock(control)	**0.88**
UMSL1011:Mock(control)	**0.29**

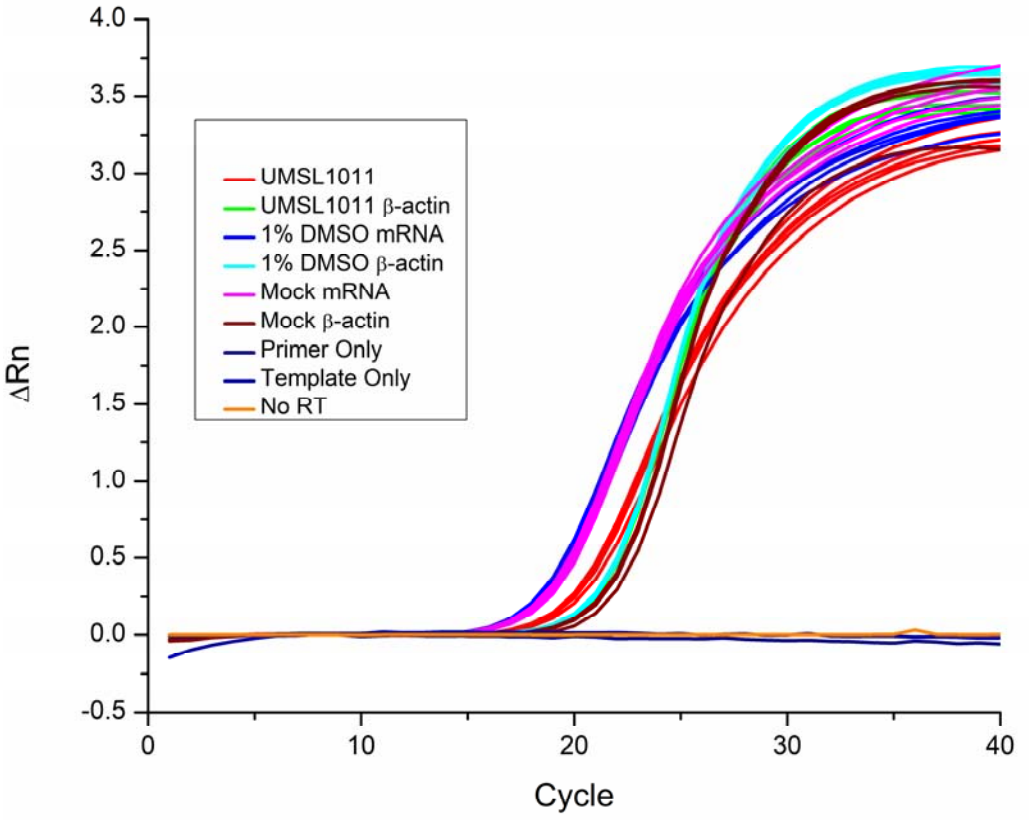


Figure S1 Amplification plots of the qPCR in the minigenome assays in Figure 6. This illustrates that the controls do not have any amplification even when compared to the experimental conditions.

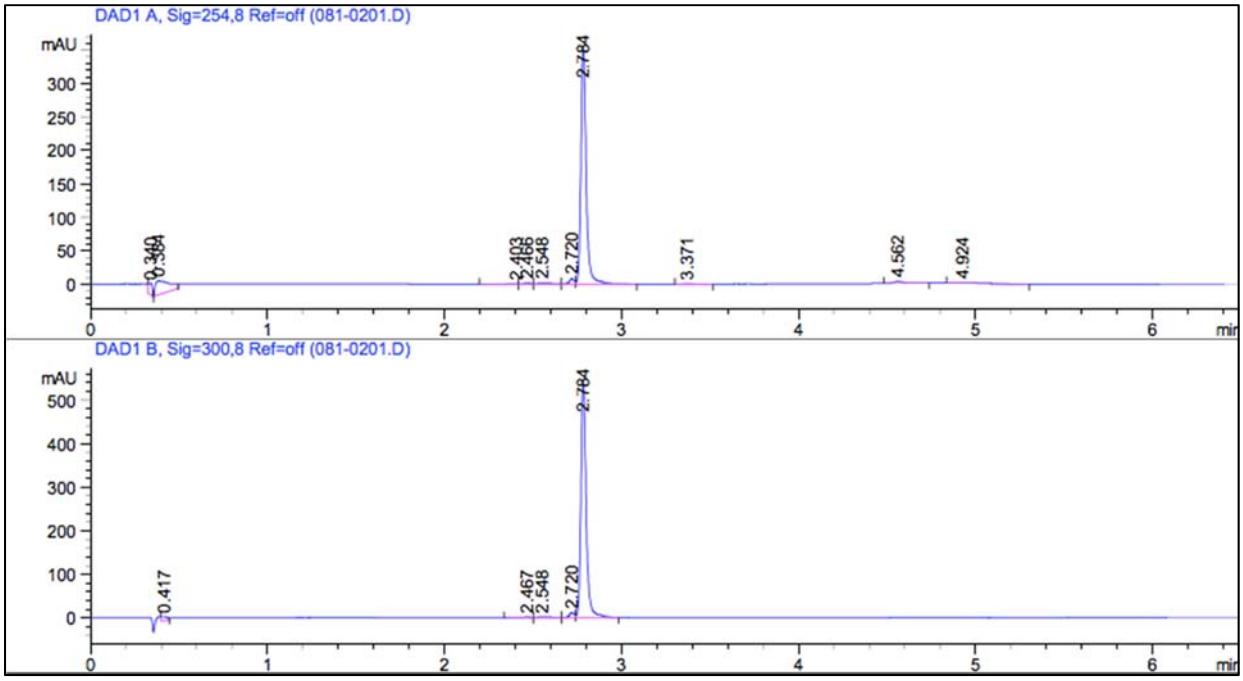
Polyamide Characterization

UMSL1013 Im-Py-Py-Py-γ-Py-Py-Im-Py-β-Dp (3 TFA):

^{1}H NMR (600 MHz, DMSO-d_6) being obtained now.

HRMS (ESI) calculated for $C_{58}H_{71}N_{21}O_{10}$ $[MH]^+$, 1221.5684, found, 1221.5702.

Reverse Phase HPLC purity (trace shown): 94%.

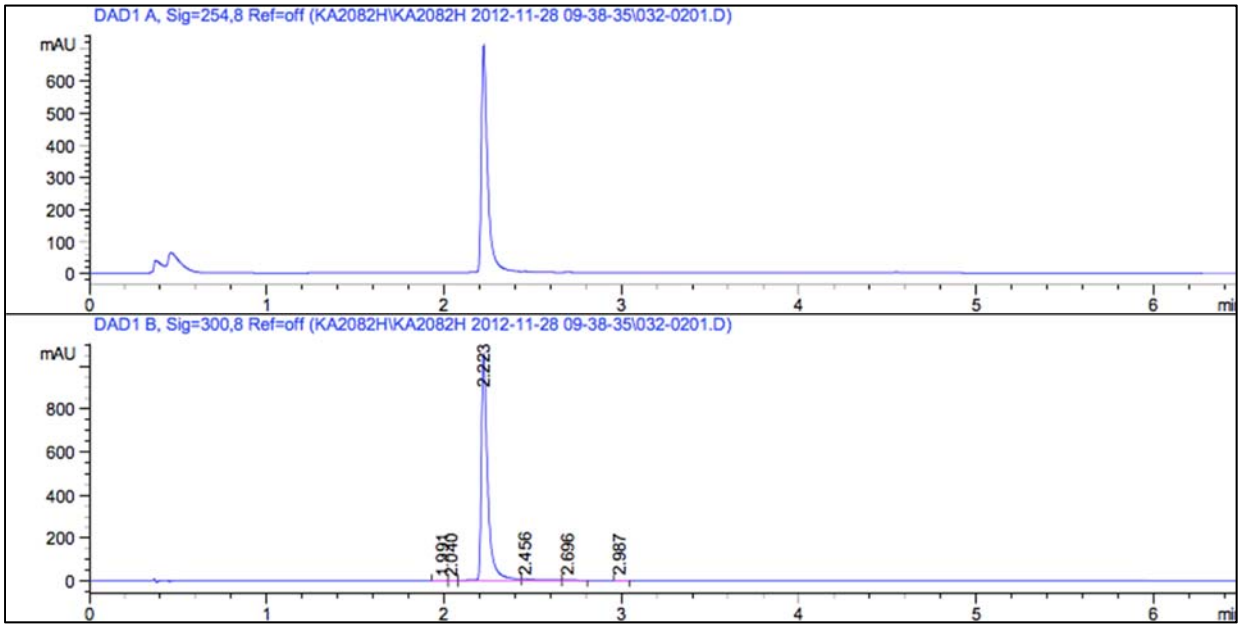


UMSL2082 Im-Im-Py-γ-Py-Py-Py-β-Ta (4 TFA):

^{1}H NMR (600 MHz, DMSO-d_6) δ = 7.54 (s, 1 H), 7.42 (s, 1 H), 7.20 -7.18 (dd, 1 H), 7.13 (s, 1 H), 7.07 (d, 1 H), 7.01 (s, 1 H), 6.96 (d, 1 H), 6.85-6.84 (m, 2 H), 3.98-3.97 (m, 7 H), 3.80-3.77 (m, 14 H), 3.48 (19 H, H_2O), 3.37-3.35 (m, 3 H), 3.20-2.99 (m, 12 H), 2.84-2.81 (m, 3 H), 2.73-2.71 (s, 4 H), 2.35-2.32 (t, 2 H), 2.27-2.25 (t, 2 H), 1.90-1.86 (m, 3 H), 1.79-1.73 (m, 5 H).

HRMS (ESI) calculated for $C_{48}H_{64}N_{18}O_8$ $[M]^+$, 1020.5154, found, 1020.5101.

Reverse Phase HPLC purity (trace shown): 98%.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