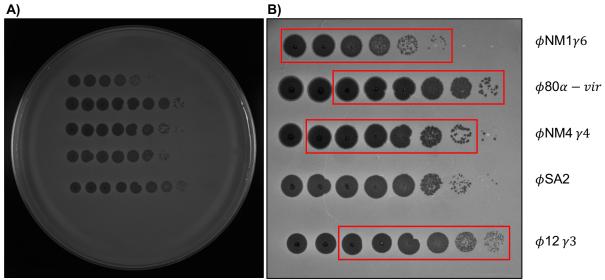
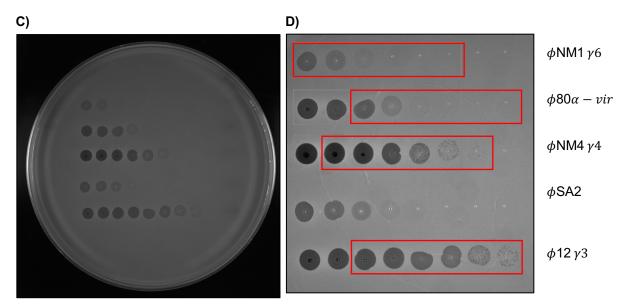
Supplementary Figure 1 Original source images for data obtained by spotting phage on lawns of staphylococci

Box indicates location of cropped images in Figure 1A



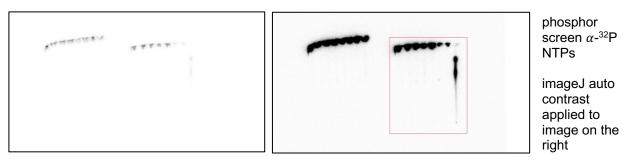
RN4220 + pSscCBASS dCap15



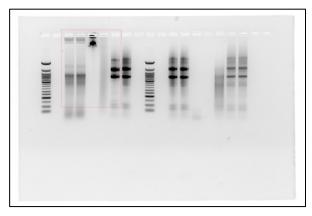
RN4220 + pSscCBASS

Box indicates location of cropped images in Figure 1B

E)



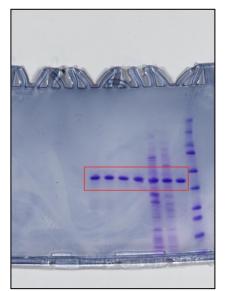
F)



stained with ethidium bromide

Ladder: new England biolabs 50 bp DNA ladder

G)

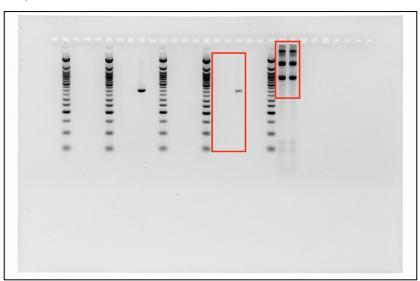


stained with Coomassie

Ladder: Bio-rad Precision Plus Protein Dual Color Standard

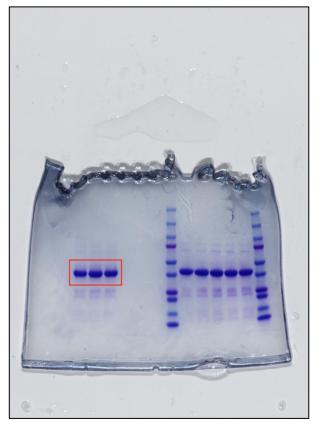
Box indicates location of cropped images in Figure 1C

H)



stained with ethidium bromide Ladder: new England biolabs 50 bp DNA ladder

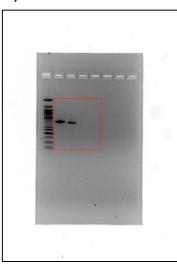
I)



stained with Coomassie blue Ladder: Bio-rad Precision Plus Protein Dual Color Standard

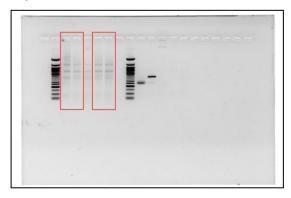
Box indicates location of cropped images in Figure 1D

J)



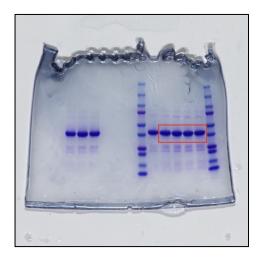
stained with ethidium bromide Ladder: new England biolabs 50 bp DNA ladder

K)



stained with ethidium bromide Ladder: new England biolabs 50 bp DNA ladder

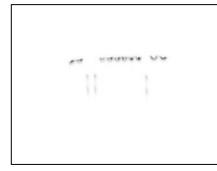




stained with Coomassie blue Ladder: Bio-rad Precision Plus Protein Dual Color Standard Original source images for data obtained by electrophoretic separation & data obtained by TLC separation of cyclic nucleotides followed by phosphor screen imaging

Box indicates location of cropped images in Figure 1F

M)

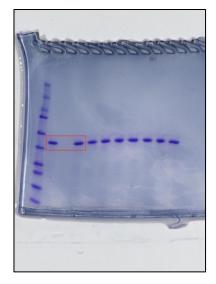




phosphor screen α -³²P NTPs

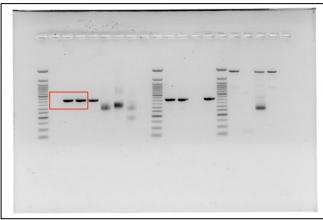
imageJ auto contrast applied to image on the right

N)



stained with Coomassie blue Ladder: Bio-rad Precision Plus Protein Dual Color Standard

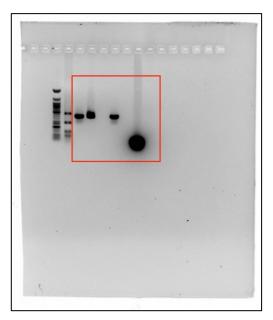
O)



stained with ethidium bromide, Ladder: new England biolabs 50 bp DNA ladder

Box indicates location of cropped images in Figure 2A

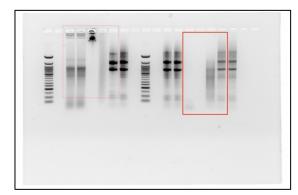
P)



stained with ethidium bromide Ladder: new England biolabs 50 bp DNA ladder and dsRNA ladder Original source images for data obtained by electrophoretic separation & data obtained by TLC separation of cyclic nucleotides followed by phosphor screen imaging

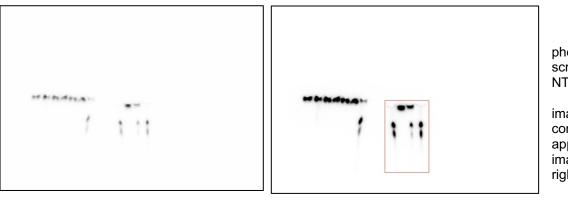
Box indicates location of cropped images in Figure 2B

Q)



stained with ethidium bromide, Ladder: new England biolabs 50 bp DNA ladder

R)

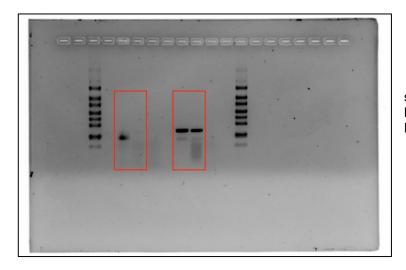


phosphor screen α -³²P NTPs

imageJ auto contrast applied to image on the right

Box indicates location of cropped images in Figure 2C

S)

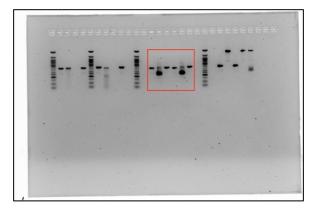


stained with ethidium bromide Ladder: new England biolabs 50 bp DNA ladder

Original source images for data obtained by electrophoretic separation & data obtained by TLC separation of cyclic nucleotides followed by phosphor screen imaging

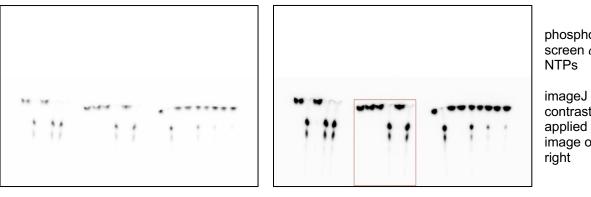
Box indicates location of cropped images in Figure 2D

T)



stained with ethidium bromide, Ladder: new England biolabs 50 bp DNA ladder

U)



phosphor screen α -³²P

imageJ auto contrast applied to image on the

Box indicates location of cropped images in Figure 3B

V)



phosphor screen α -³²P NTPs

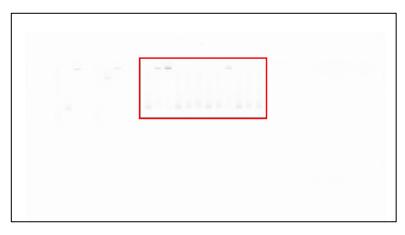
imageJ auto contrast applied to image on the bottom

	 1		
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1	1		

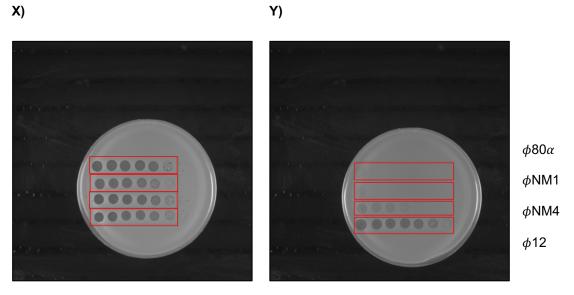
Original source images for data obtained by electrophoretic mobility assay

Box indicates location of cropped images in Figure 3C

W)



stained with ethidium bromide, Ladder: new England biolabs 50 bp DNA ladder Original source images for data obtained by spotting phage on lawns of staphylococci Box indicates location of cropped images in **Figure S5C**

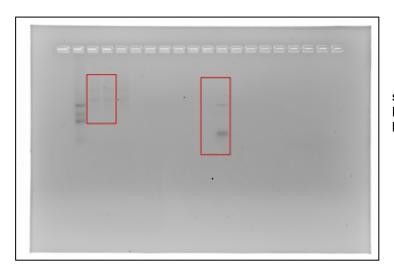


RN4220 + empty vector

RN4220 + pShaCBASS

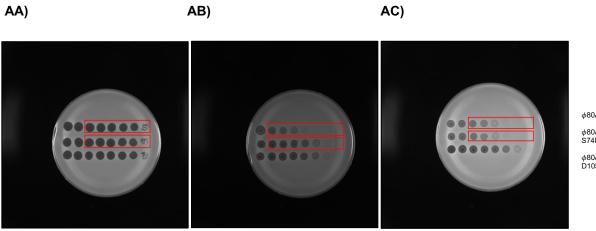
Box indicates location of cropped images in Figure S5D

Z)



stained with ethidium bromide Ladder: new England biolabs dsRNA ladder

Original source images for data obtained by spotting phage on lawns of staphylococci Box indicates location of cropped images in **Figure 4B**



φ80α wt
φ80α gp40
S74F
φ80α gp46
D105E

RN4220 + empty vector

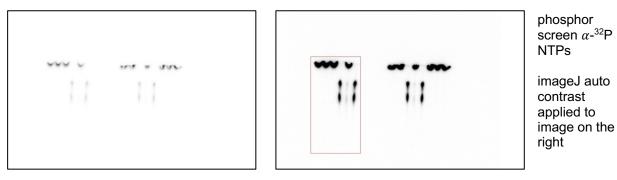
RN4220 + pCBASS

RN4220 + pCBASS + pTerS

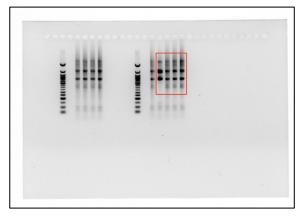
Original source images for data obtained by TLC separation of cyclic nucleotides followed by phosphor screen imaging & for data obtained by electrophoretic separation

Box indicates location of cropped images in Figure 4C

AD)



AE)



stained with ethidium bromide, Ladder: new England biolabs 50 bp DNA ladder

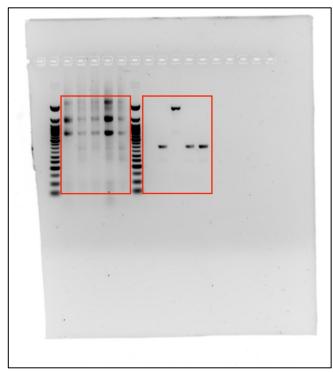
AF)



stained with Coomassie blue Ladder: Bio-rad Precision Plus Protein Dual Color Standard

Box indicates location of cropped images in Figure 4D

AG)



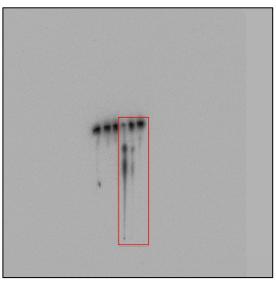
stained with ethidium bromide Ladder: new England biolabs 50 bp DNA ladder Original source images for data obtained by TLC separation of cyclic nucleotides followed by phosphor screen imaging & for data obtained by electrophoretic separation

Box indicates location of cropped images in Figure 4E

AH)

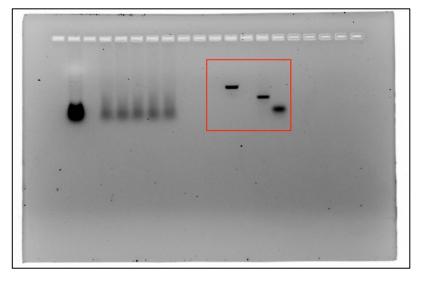
stained with ethidium bromide Ladder: new England biolabs 50 bp DNA ladder





phosphor screen α -³²P NTPs

Box indicates location of cropped images in Figure 5C AJ)



stained with ethidium bromide Ladder: new England biolabs low range dsRNA ladder

Box indicates location of cropped images in Figure 5D

AK)



Original source images for data obtained by spotting phage on lawns of staphylococci

Box indicates location of cropped images in Figure 6A

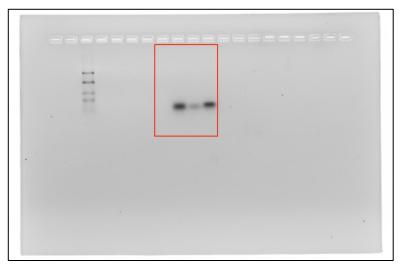
AL)



RN4220 + pSscCBASS dCap15 RN4220 + pSscCBASS

Box indicates location of cropped images in Figure 6B

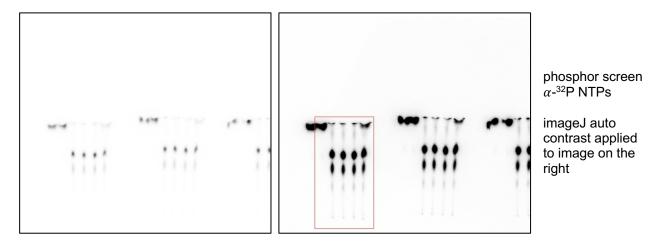
AM)



stained with ethidium bromide Ladder: new England biolabs low range dsRNA ladder

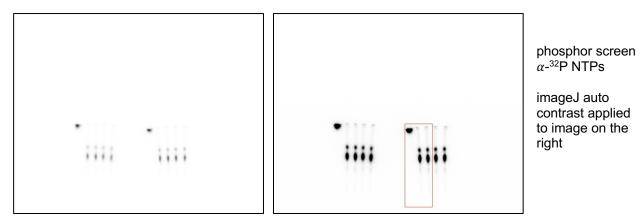
Box indicates location of cropped images in Figure 6C

AN)



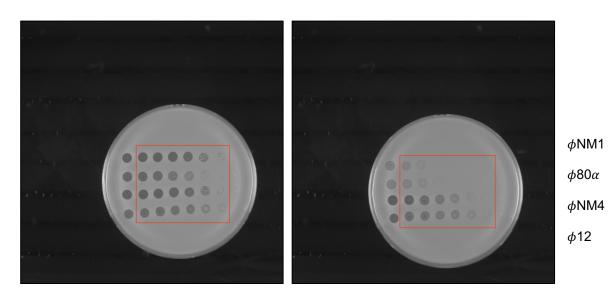
Box indicates location of cropped images in Figure 6D

AO)



Original source images for data obtained by spotting phage on lawns of staphylococci Box indicates location of cropped images in **Figure S1B**

AQ)



RN4220::SscCdnE03

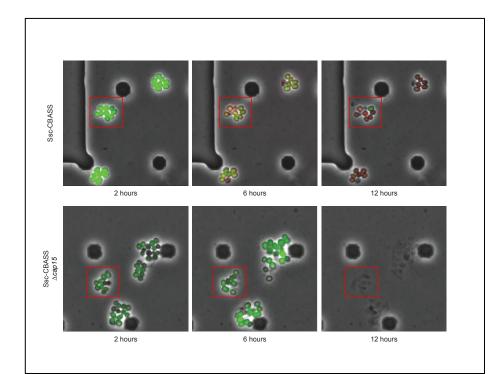
AP)

RN4220::CBASS

Original source images for data obtained by fluorescence confocal microscopy of staphylococci harboring Ssc-CBASS

Box indicates location of cropped images in Figure S1K

AR)

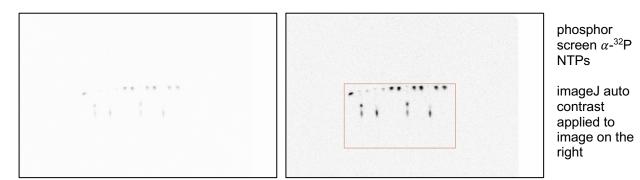


GFP channel = phage replication

RFP channel = propidium iodide staining, representing membrane disruption

Box indicates location of cropped images in Figure S2D

AS)



Box indicates location of cropped images in Figure S2G

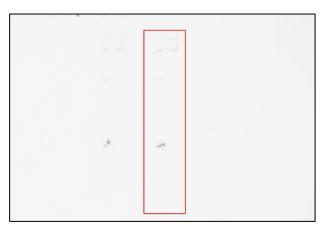




Original source images for data obtained by electrophoretic separation of RNA followed by northern blot

Box indicates location of cropped images in Figure S2I

AU)

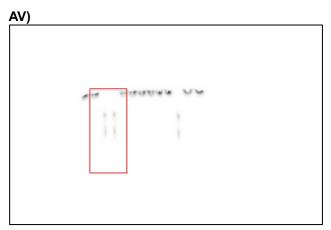


northern blot of one gel/membrane probed with 1 3'FAC dsDNA probe visualized in one fluorescence channel

Ladder Jena bioscience fluorescent low range DNA ladder

Original source images for data obtained by TLC separation of cyclic nucleotides followed by phosphor screen imaging & for data obtained by electrophoretic separation

Box indicates location of cropped images in Figure S3B



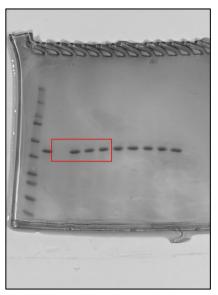
phosphor screen α -³²P NTPs

AW)



stained with ethidium bromide Ladder: new England biolabs 50 bp DNA ladder

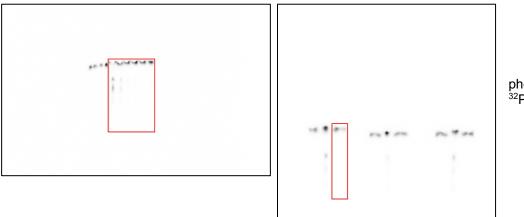
AX)



stained with Coomassie blue Ladder: Bio-rad Precision Plus Protein Dual Color Standard

Box indicates location of cropped images in Figure S3C

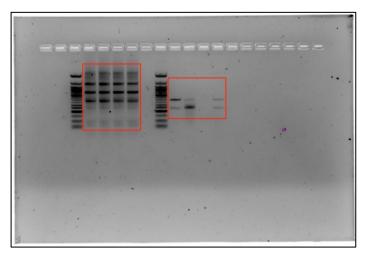
AY)



phosphor screen α -³²P NTPs

Box indicates location of cropped images in Figure S3F

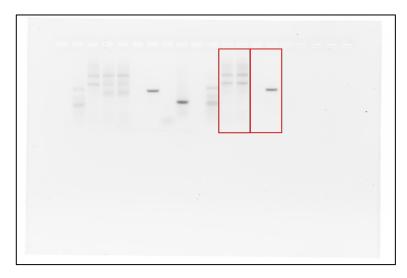
AZ)



stained with ethidium bromide Ladder: new England biolabs 50 bp DNA ladder

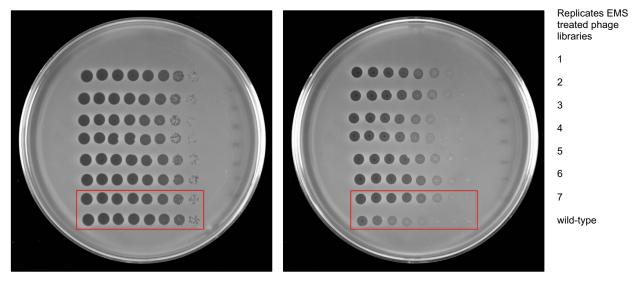
Box indicates location of cropped images in Figure S4G

BA)



stained with ethidium bromide Ladder: new England biolabs 50 bp DNA ladder

Original source images for data obtained by spotting phage on lawns of staphylococci Box indicates location of cropped images in **Figure S6A**



BB)

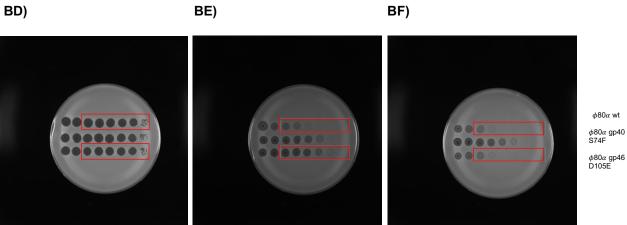
BC)

RN4220

RN4220 + pSscCBASS

Original source images for data obtained by spotting phage on lawns of staphylococci

Box indicates location of cropped images in Figure S6D



 ϕ 80 α wt φ80α gp40 S74F

RN4220 + empty vector

RN4220 + pCBASS

RN4220 + pCBASS + pGp46

Box indicates location of cropped images in Figure S6E

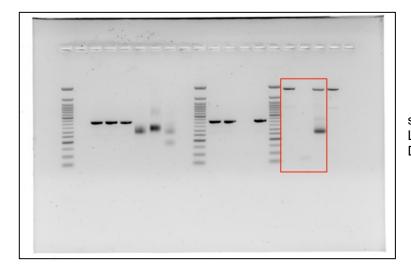
BG)



phosphor screen α -³²P NTPs

Box indicates location of cropped images in Figure S7A

BH)



stained with ethidium bromide Ladder: new England biolabs 50 bp DNA ladder

Original source images for data for data obtained by electrophoretic mobility assay

Box indicates location of cropped images in Figure S7B

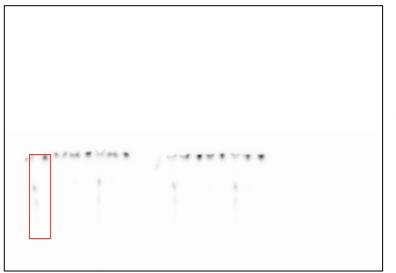
BI)



stained with ethidium bromide Ladder: new England biolabs dsRNA ladder

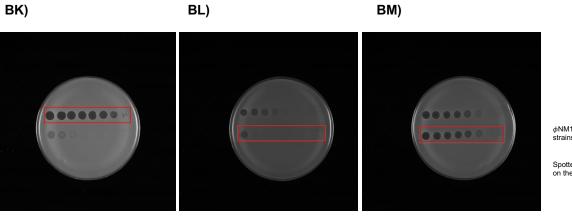
Box indicates location of cropped images in Figure S7D

BJ)



phosphor screen α -³²P NTPs

Original source images for data obtained by spotting phage on lawns of staphylococci Box indicates location of cropped images in **Figure S7E**



RN4220:Ssc-CdnE03 pTerS^{S74F}

RN4220:Ssc-CBASS pTerS

RN4220:Ssc-CBASS pTerSS74F

φNM1 propagated strains listed below

Spotted serial dilutions on the same strain

Original source images for data obtained by spotting phage on lawns of staphylococci

Box indicates location of cropped images in Figure S8B

BN)

BO)

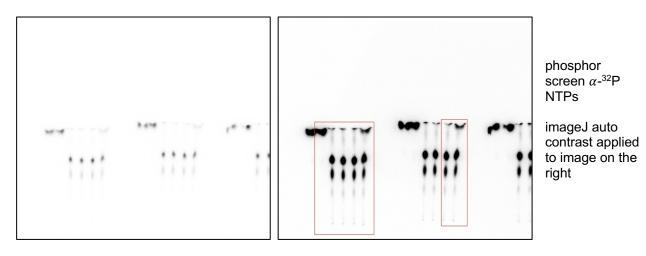


RN4220::SscCdnE03

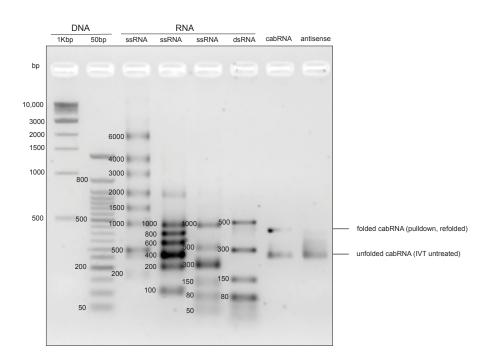
RN4220::CBASS

Box indicates location of cropped images in Figure S8C

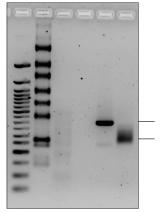
BP)



Reference for DNA/RNA gel ladders







folded cabRNA (pulldown, refolded) unfolded cabRNA (IVT untreated)

BQ)