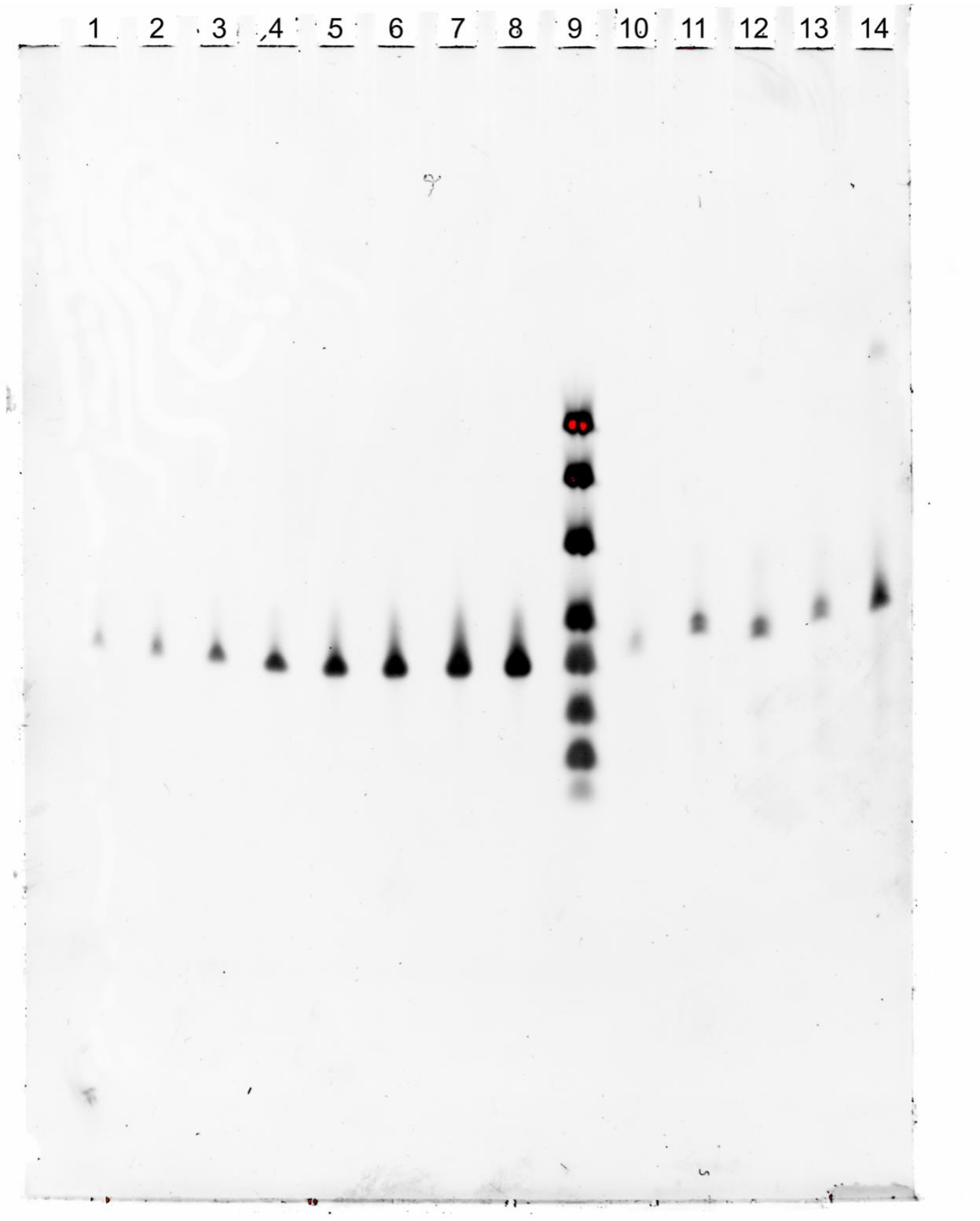
"Programming Cell-Free Biosensors with DNA Strand Displacement Circuits."
Jung, et al. (2021)

Image below shows the uncropped, unprocessed urea-PAGE gel image of data shown in **Extended Data 2c**.

From left to right:

1. 0.25 ng of Standard RNA
2. 0.5 ng of Standard RNA
3. 1 ng of Standard RNA
4. 2 ng of Standard RNA
5. 4 ng of Standard RNA
6. 6 ng of Standard RNA
7. 8 ng of Standard RNA
8. 10 ng of Standard RNA
9. Low Molecular ssDNA Ladder (10, 15, 20, 25, 30, 40, 50, 60 nt)
10. InvadeR Variant 1 designed to strand-displace the 5' toehold DNA signal gate extracted from a 30-min long IVT reaction
11. InvadeR Variant 2 designed to strand-displace the 5' toehold DNA signal gate extracted from a 30-min long IVT reaction
12. InvadeR Variant 2 Strengthened designed to strand-displace the 5' toehold DNA signal gate extracted from a 30-min long IVT reaction
13. InvadeR Variant 3 designed to strand-displace the 5' toehold DNA signal gate extracted from a 30-min long IVT reaction
14. InvadeR Variant 3 Strengthened designed to strand-displace the 5' toehold DNA signal gate extracted from a 30-min long IVT reaction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