

Supplementary Table S2.

Structural properties of dsRNA and dsDNA from X-ray fibre diffraction studies

Double stranded nucleic acid	Rise per base pair (nanometres)	Mean base pair per turn	Rise per turn (nanometres)	Minor groove width (nanometres)	Major groove width (nanometres)
A-dsRNA	0.28	11	3.08	1.09	0.38
A'-dsRNA	0.30	12	3.60	1.08	0.80
B-dsDNA	0.34	10	3.40	0.55	1.14

[1]Tanaka, Y.; Fujii, S.; Hiroaki, H.; Sakata, T.; Tanaka, T.; Uesugi, S.; Tomita, K.-i.; Kyogoku, Y., A'-form RNA double helix in the single crystal structure of r(UGAGCUUCGGCUC). *Nucleic Acids Res.* **1999**, *27* (4), 949-955.

[2]Neidle, S., *Principles of nucleic acid structure*. Academic Press: 2010.