

SUPPLEMENTARY MATERIAL (ESI) FOR MOLECULAR BIOSYSTEM

**DNA-based strategies for blocking HMGB1 cytokine activity: design, synthesis
and preliminary *in vitro/in vivo* assays of DNA and DNA-like duplexes**

Domenica Musumeci^{1*}, Enrico M. Bucci¹, Giovanni N. Roviello¹, Roberto Sapio², Margherita Valente², Maria Moccia¹, Marco E. Bianchi³ and Carlo Pedone¹

¹ *Istituto di Biostrutture e Bioimmagini – CNR, via Mezzocannone 16, 80134 Napoli, Italy;*

² *Bionucleon Srl, via Ribes 5, 10010 Colletterto Giacosa (TO), Italy;*

³ *DIBIT, San Raffaele University, via Olgettina 58, 20132 Milano, Italy.*

* Correspondence should be addressed to Domenica Musumeci (domymusu@alice.it); via Mezzocannone 16, 80134 Napoli, Italy; Tel: +39-(0)81-2534585; Fax: +39-(0)81-2534574.

Figure S1

CD titration of *chim 2A* duplex with HMGB1.

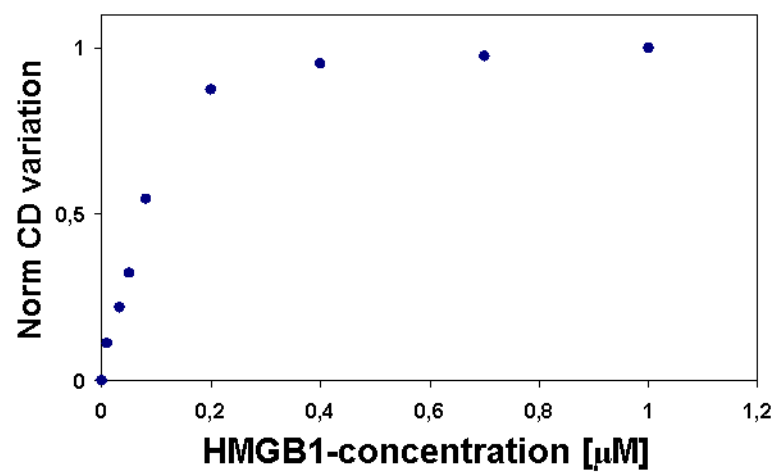


Figure S2

Chemotaxis assays: in treatments from 3 to 6, from 7 to 10 and from 11 to 14, increasing amounts (3, 10, 30 and 100 nM) of *chim2A* duplex, DNA 2A duplex, and chimeric single strand **f** were used.

