



**Figure S4: Expression levels of DVNP, linker histone and histone genes in dinoflagellates.** (A) *Karenia brevis* CCMP2229; from left to right: SRR1296748, SRR1296749, SRR1296750, SRR1296952; (B) *Karenia brevis* SP1; from left to right: SRR1296712, SRR1296714; (C) *Karenia brevis* SP3; from left to right: SRR1163514, SRR1163516; (D) *Karenia brevis* Wilson; from left to right: SRR1296743, SRR1296744, SRR1296853, SRR1296854; (E) *Peridinium aciculiferum*; from left to right: SRR1294439, SRR1294440; (F) *Polarella glacialis*; SRR1296751.