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**Figure S9 (preceding page): Known histone modifications in vertebrates.** *Me*: methylation (which can be mono-, di-, and trimethylation for lysines, and mono-, and symmetric and asymmetric dimethylation for arginines); *Ac*: acetylation; *Ub*: monoubiquitination; *Ph*: phosphorylation; *Cit*: citrullination; *Iso*: proline isomerization; *Pr*: propionylation; *Bu*: butyrylation; *Cr*: crotonylation; *Hb*: 2-Hydroxyisobutyrylation; *Ma*: malonylation; *Su*: succinylation; *Fo*: formylation; *OH*: hydroxylation; *Og*: O-GlcNAcylation; *Ar*: ADP ribosylation. The list of modification is mostly derived from (Huang et al. 2014).