

Supplementary Data

<i>Species</i>	157	193	229	233
human	HAAP	DFNA	TH-CAYDR	
chimpanzee	HAAP	DFNA	TH-CAYDR	
rhesus monkey	HAAP	DFNA	TH-CAYDR	
cow	HSAP	DFNA	TN-CAYDR	
dog	HAAP	DFNA	TH-CAYDR	
horse	HAAP	DFNA	TH-CAYDR	
pig	HAAP	DFNA	HT-CAYDR	
sheep	HSAP	DFNA	TN-CAYDR	
rabbit	HSAP	DFNA	TN-CAYDR	
mouse	HAAP	DFNA	TH-CAYDR	
rat	HSAP	DFNA	TH-CAYDR	
giant panda	HAAP	DFNA	TH-CAYDR	
opossum	HAAP	DFNA	TD-CAYDR	
platypus	HAAP	DFNA	TY-CPYDR	
chicken	HAEP	DFNA	TD-CAYDR	
turkey	HAEP	DFNA	TD-CAYDR	
zebra finch	HSEP	DFNA	TD-CAYDR	
Japanese ratsnake	HAAP	DFNA	TI-CAYDR	
Japanese mamushi	HAAP	DFNA	TV-CAYDR	
green anole	HAAP	DFNA	SD-CAYDR	
African clawed frog	HTSP	DYNA	NTNCAYDR	
bullfrog	HTSP	DYNA	NTNCPYDR	
common toad	HTSP	DYNA	NTHCPYDR	
Japanese fire-bellied newt	HTSP	DYNA	NYHCAYDR	
tilapia	HTSP	DFNA	TV-CPYDR	
common carp	HTSP	DFNA	TN-CPYDR	
Japanese puffer fish	HTSP	DFNA	TI-CPYDR	
red seabream	HTSP	DFNT	TTNCAYDR	
zebrafish	HTSP	DFNA	TN-CPYDR	
eel	HTSP	DFNA	TN-CPYDR	
banded houndshark	HTSP	DLNA	TTKCAYDR	
Florida lancelet	HTSP	DLNA	TN-CAYDR	
sea squirt	HAKP	DFNA	TD-CAYDR	
purple sea urchin	HAKP	----	-----	
sea anemone	HTKP	DFNA	GA-CAYDR	
Trichoplax adhaerehs	HASP	DFNA	TN-CAYDR	

SUPPLEMENTARY FIG. S1. Multiple alignment analysis on the amino-acid sequence of animal DNases I. Only the regions including the amino-acid residues corresponding to four functional SNPs, Ala157Val, Ala193Val, Thr229Met, and Tyr233Cys, are shown. SNPs, single-nucleotide polymorphisms.