

**Table S2.** Accession numbers of CARD box genes used in this study

Species code	Domain code	Accession	Note
MmM Mus	C1	Q8VCF0	cardif
HsM Homo	C1	BAC77356	cdf
AcV Anolis	C1M	AAWZ01028814	
BtM Bos	C1M	P615590	
BtM Bos	C1R	P580928	
CfM Canis	C1M	P545493	
CfM Canis	C1R	WGA39	
DrV Danio	C1R	P001339107	
EcM Equus	C1M	XP001494380	
EcM Equus	C1R	XP001947895	
GgV Gallus	C1	P422031	
HsM Homo	C1M	AAG343681	
HsM Homo	C1R		
MaM Macaca	C1M	NP001040588	
MaM Macaca	C1R	NP001036133	
MdM Monodelphis	C1M	NP126326479	
MmM Mus	C1M	BAE31652	
MmM Mus	C1R	Q6Q899	
MmM Mus	C2M	BAE33716	
MmM Mus	C2R	Q6Q899	
SsM Sus	C1R	Q9GLV6	
SsM Sus	C1M	NP1093664	
TnV Tetraodon	C1	CAG09339	
AcV Anolis	C2M	AAWZ01028814	
BtM Bos	C2M	XP615590	
BtM Bos	C2R	XP878993	

CfM	Canis	C2M	XP545493
CfM	Canis	C2R	a11WGA39
DrV	Danio	C2R	XP001339107
EcM	Equus	C2M	XP1494380
EcM	Equus	C2R	XP1497895
GgV	Gallus	C2	XP422031
HsM	Homo	C2R	AAD19826
HsM	Homo	C2M	AAG54076
MaM	Macaca	C2R	NP001036133
MaM	Macaca	C2M	NP001040588
MdM	Monodelphis	C2M	XP001374256
MdM	Monodelphis	C2R	XP1366879
RrM	Rattus	C2M	XP001055482
RrM	Rattus	C2R	XP001067411
RrM	Rattus	C1M	P575141
RrM	Rattus	C1R	P00106741
SpD	Strongylocentrotus	C2	XP001176626
SsM	Sus	C2R	Q9GLV6
SsM	Sus	C2M	NP1093664
TnV	Tetraodon	C2	CAG09339