

Supplementary Information

Figure S1.

Amino acid sequence alignment of the C-terminal region downstream of the dsRBD in DGCR8/Pasha homologues from various animal species.

Table S1.

Primer sequences used for cloning and mutagenesis of human DGCR8.

hDGCR8		Primer sequence (5'-3')
WT	Forward	GAATTCTGATGGAGACAGATGAGAGCCCC
	Reverse	GCGGCCGCTCACACGTCCACGGTGCACAG
DG276-773	Forward	GAATTCACGATGGAGAGACAAGTGTGCAG
	Reverse	GCGGCCGCTCACACGTCCACGGTGCACAG
DG484-773	Forward	GAATTCCAGCCAATCAGAAGCTCATTAC
	Reverse	GCGGCCGCTCACACGTCCACGGTGCACAG
DG484-750	Forward	GAATTCCAGCCAATCAGAAGCTCATTAC
	Reverse	GCGGCCGCTCATCGAGTCTCCTCCCTTCC
DG484-738	Forward	GAATTCCAGCCAATCAGAAGCTCATTAC
	Reverse	GCGGCCGCTCACTCCTCTTGGAGCTTGC

DG1-483	Forward	GAATTCTGATGGAGACAGATGAGAGCCCC
	Reverse	GCGGCCGCTCACAAGATGGGCCTCTCGGACTC
DG1-614	Forward	GAATTCTGATGGAGACAGATGAGAGCCCC
	Reverse	GCGGCCGCTCACTTGCTGGTCAGCTCGTAGAC
DG1-692	Forward	GAATTCTGATGGAGACAGATGAGAGCCCC
	Reverse	GCGGCCGCTCACCCCCAGTTCTTGACATGTGG
mDRBD1	Forward	CTTGCGAAGAATAAAAAGAAACGAGCTACACTGG
	Reverse	CCAGTGTAGCTCGTTTCTTTTATTCTTCGCAAG
mDRBD2	Forward	GTTGGAAAGCAGTTAAAGAAACAGAAGATCCTTC
	Reverse	GAAGGATCTTCTGTTTCTTTAACTGCTTTCCAAC