

**Table S1. List of primers used in this study**

Primers used for PCR amplification of <i>Nrg</i> exons	
Exon 2 en 3	5'-CGGCTCGCATGCAATTTTCATTAGTG 5'-TGCTCTTCTCTCGTGCCTTTGCT
Exon 4	5'-TGGTATTCATTATCGACTGACACCC 5'-CCACATTGACGGCATCCTTGAGC
Exon 5, 6 and 7	5'-CTGCCACCACGAAAATGGGCGAG 5'-CTGGAGGACACACTCGTATGATAC
Exon 8A	5'-CTGCTGTCCACCAGTGGACTATC 5'-AATAACAAGCCTACTCTGGCATGCA
Exon 8B	5'-CACAAATGCAATGGGGTTGTAATAGA 5'-AGCGTTTCTTCTCAAAGCGGCA
Primers used for sequencing of <i>Nrg</i> exons	
Exon 2	5'-ACGATTGAAGCCCAAGT
Exon 3	5'-CATCGATCTTGCCATTC
Exon 4	5'-AGATTGGCAACAAGGTG 5'-CTGGTTAAGGGCGATAC 5'-GATTGCCAAGACAATGG 5'-CATATTCGACTGGCGAC 5'-CAATGGACGCTTCAATG 5'-GTGTGACCAGAGCGTTG 5'-TCTTGAAGGGCACATCC 5'-CTCCACCAATCGATCT 5'-ATGGGCTTACCATTGTG 5'-CACGGGTAACATTCGAG
Exon 5	5'-TCACTTGCTGTCAAGTCG
Exon 6	5'-CGACTGACAGCAAGTGA 5'-CGATTTGCTATTACGAA
Exon 7	5'-TTCGTAATAGCAAATCG
Exon 8A	5'-AATATCGAAACCGAGCC
Exon 8B	5'-GTTCAAGTTGTTGGCA 5'-TGGTAGAAAATCAGGAG
Primers used for generating <i>pRmHa-3-Nrg-180</i> constructs (mutant nucleotides are underlined)	
<i>Nrg-180</i> <sup>mut849</sup>	5'-GGAGCTGGCATT <u>CT</u> CACGGGTAAC 5'-GTTACCCGTGAG <u>A</u> ATGCCAGCTCC
<i>Nrg-180</i> <sup>mut892</sup>	5'-GAGGTGGCC <u>A</u> AGCAGGCATAGTAG 5'-CTACTATGCCTGCT <u>T</u> GGCCACCTC
PCR primers for generating ligand overlay constructs	
NRG-180 <sub>cyt</sub>	5'-ATCGGAATTC <del>CC</del> GCAATCGGGGCGGAAAGT 5'-ATTTCTCGAGTTAGACGTAGGTGGCCACGG
NRG-167 <sub>cyt</sub>	5'-ATCGGAATTC <del>CC</del> GCAATCGGGGCGGAAAGT 5'-CTTCCTCGAGTTAAAGTCCTTTGCGTCCATATTGG
NRG-180 <sub>cyt</sub> ΔTYV	5'-ATCGGAATTC <del>CC</del> GCAATCGGGGCGGAAAGT 5'-ATTTCTCGAGTTAGGCCACGGCTCCGGCT
PYD-PDZ1	5'-CATAGGATCCTGAAGTTTCCGGATTATGTTCC 5'-CCTGGAATTATTAATGGGATTGAGGGGCACGCGACGC
PYD-PDZ2	5'-CATAGGATCCTGCTCAGTTCGGTTGGTCTAATGGCC 5'-CCTGGAATTCACCTGGTGGCTGGCTGAATTGTTGAG
PYD-PDZ1-2	5'-CATAGGATCCTGAACATGTTGGTGGGTGATCGAACC 5'-CCTGGAATTCACCTGGTGGCTGGCTGAATTGTTGAG
PYD-PDZ3	5'-GCGCGGATCCCAGATTCAATTCCTCCAGAAGG 5'-GCGCGAATTCACCACCTCGTCGTATTCTCTCC
PYD-PDZ1-2-3	5'-CATAGGATCCTGAACATGTTGGTGGGTGATCGAACC 5'-GCGCGAATTCACCACCTCGTCGTATTCTCTCC