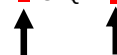


		10	20	30	40	50	60	70	80	90	100	
NonTIR- NBS-LRR	CaRGA14	RGSGKTTIAQKIYH	DRQVNVRFQKKV	WVSISQTYDELS	-----	IMKGILK	--	QLSADDSGTDKG	---	DLNRIREALSRKSY	LIVMDDVSI	DDGWM
	CaRGA15	RGSGKTTIAQKIYH	DRQVNVRFQKKV	WVSISQTYDELS	-----	IMKGILK	--	QLSADDIGTDKG	---	DLNRIREALSRKSY	LIVMDDVSI	DDGWM
	CaRGA13	GGLGKTTLAYKVYN	DESVCSHFDVRA	WFTVDQEYDEKK	-----	LLVKLFN	--	QVTGSDLKSSD	---	IDVADKLRLKQLY	GKRYLIVLDDV	WDTT
	CaRGA17	AGSGKTTLAYKVYN	DESVCSHFDVRA	WFTVDQEYDEKK	-----	LLVKLFN	--	QVTGSDLKFS	---	IDVADKLRLKQLY	GKRYLIVLDDV	WDTT
	CaRGA16	AGLGKTTLAYRVYN	DKSVGHFDVRA	WCTVDQERNEKK	-----	LLQRIFN	--	QVIGLKGSFNE	DGIDNDVADKL	RKHLIGKRYL	LIVLDDLW	DTA
	CaRGA51	GGVGKTTLARQVY	DDIYMEHHFYI	RAWITVSQMHQHRE	-----	MLLGILRCFSL	VNDNTYLKST	---	EQLAEQVYRSL	KGRRYLIA	MDDVWDT	S
	CaRGA20	GGVGKTTLAKIVY	NDKKVKDHF	DLKAWFCVSEAYDSFR	-----	ITKGLLQ	--	EIGSFDLKDDNN	--	LNQLQVKLKESL	KGKRFVLV	DDLW
	CaRGA25	GGVGKTTLAKIVY	NDKKVKDHF	DLKAWFCVSEAYDSFR	-----	ITKGLLQ	--	EIGSFDLKDDNN	--	LNQLQVKLKESL	KGKRFVLV	DDLW
	CaRGA34	GGVGKTTLAKIVY	NDKKVKDHF	DLKAWFCVSEAYDSFR	-----	ITKGLLQ	--	EIGSFDLKDDNN	--	LNQLQVKLKESL	KGKRFVLV	DDLW
	CaRGA39	GGVGKTTLAKIVY	NDKKVKDHF	DLKAWFCVSEAYDSFR	-----	ITKGLLQ	--	EIGSFDLKDDNN	--	LNQLQVKLKESL	KGKRFVLV	DDLW
	CaRGA32	GGVGKTTLAKIVY	NDKKVKDHF	DLKAWFCVSEAYDSFR	-----	ITKGLLQ	--	EIGSFDLKDDNN	--	LNQLQVKLKESL	KGKRFVLV	DDLW
	CaRGA23	GGVGKTTLAKIVY	NDKKVKDHF	DLKAWFCVSEAYDSFR	-----	ITKGLLQ	--	EIGSFDLKDDNN	--	LNQLQVKLKESL	KGKRFVLV	DDLW
	CaRGA28	GGVGKTTLAKIVY	NDKKVKDHF	DLKAWFCVSEAYDSFG	-----	ITKGLLQ	--	EIGSFDLKDDNN	--	LNQLQVKLKESL	KGKRFVLV	DDLW
	CaRGA43	GGVGKTTLAKIVY	NDKKVKDHF	DLKAWFCVSEAYDSFR	-----	ITKGLLQ	--	EIGSFDLKDDNN	--	LNQLQVKLKESL	KGKRFVLV	DDLW
	CaRGA21	GGVGKTTLAKIVY	NDKKVKDHF	DLKAWFCVSEAYDSFR	-----	ITKGLLQ	--	EIGSFDLKDDNN	--	LNQLQVKLKESL	KGKRFVLV	DDLW
	CaRGA26	GGVGKTTLAKIVY	NDQVKDHF	GLKAWFCVSEAYDAFR	-----	ITKGLLQ	--	EVGSFDLKDDNN	--	LNQLQVKLKESL	KGKRFVLV	DDVND
	CaRGA31	GGVGKTTLAKIVY	NDQVKDHF	GLKAWFCVSEAYDAFR	-----	ITKGLLQ	--	EVGSFDLKDDNN	--	LNQLQVKLR	ESLKGKRF	VLVDDV
	CaRGA19	GGVGKTTLAKIVY	NDKKVTGHF	GLKAWFCVSEAYDAFR	-----	ITKGLLQ	--	EIGSFDLKDDNN	--	LNQLQVKLKESL	KGKRFVLV	DGLW
	CaRGA24	GGVGKTTLAKIVY	NDKKVTGHF	GLKAWFCVSEAYDAFR	-----	ITKGLLQ	--	EIGSFDLKDDNN	--	LNQLQVKLKESL	KGKRFVLV	DGLW
	CaRGA37	GGVGKTTLAKIVY	NDKKVTGHF	GLKAWFCVSEAYDAFR	-----	ITKGLLQ	--	EIGSFDLKDDNN	--	LNQLQVKLKESL	KGKRFVLV	DGLW
	CaRGA41	GGVGKTTLAKAAY	NDEKVKSYFNL	KAWFCVSEPYDAIR	-----	ITKALLQ	--	EIGSFDLKDDNN	--	LNQLQVKLKESL	KGKRFVLV	DDMM
	CaRGA48	-GVGKTTLAKAAY	NDEKVIDHFDL	KGWFCVSEAYDALR	-----	IAKGILLQ	--	EIGSFDLVNDDN	--	LNQLQVKLKE	KLNGKRF	LIVLDDV
	CaRGA45	-GVGKTTLAKAVY	NDEKVIDHFDL	KAWICVSESYSVR	-----	ITKEPLQ	--	EISSFDRMVKNT	--	LNQLQIKLKESL	KGKFLIVL	DDVND
	CaRGA46	-GVGKTTLAKAVY	NDEKVIDHFDL	KAWICVSESYSVR	-----	ITKELLQ	--	EISSFDCMVKNT	--	LNQLQIKLKESL	KGKFLIVL	DDVND
	CaRGA18	GGVGKTTLGKAA	YNDEKVVQSHF	NLTAWFCVSEPYDAFR	-----	ITKGLLQ	--	QIGS--LQVDDN	--	LNQLQVKLKESL	KGKRFVLV	DDMM
	CaRGA30	GGVGKTTLGKAA	YNDEKVVQSHF	NLTAWFCVSEPYDAFR	-----	ITKGLLQ	--	QIGS--LQVDDN	--	LNQLQVKLKESL	KGKRFVLV	DDMM
	CaRGA47	-GVGKTTLAKAAY	NDENVLSHFNL	TAWFCVSEPYDAFR	-----	ITKGLLQ	--	EIGS--LQVDDN	--	LNQLQVKLKE	ILKGKRF	LIVLDDM
	CaRGA22	GGLGKTTLAQAAY	NDKKVTNHFKL	KAWICVSETYDAIR	-----	ITKGLLQ	--	EIGSSNSKVDN	--	LNQMQVKLKERL	KGKMFVLV	DDMM
	CaRGA27	GGLGKTTLAQAAY	NDKKVTNHFKL	KAWICVSETYDAIR	-----	ITKGLLQ	--	EIGSSNSKVDN	--	LNQMQVKLKERL	KGKMFVLV	DDMM
	CaRGA33	GGLGKTTLAQAAY	NDKKVTNHFKL	KAWICVSETYDAIR	-----	ITKGLLQ	--	EIGSSNSKVDN	--	LNQMQVKLKERL	KGKMFVLV	DDMM
	CaRGA35	GGLGKTTLAPAAY	NDKKVTNHFKL	KAWICVSETYDAIR	-----	ITKGLLQ	--	EIGSSNSKVDN	--	LNQMQVKLKERL	KGKMFVLV	DDMM
	CaRGA36	GGMGKTTLAQVVY	NYKKVTDHFDL	KGWFCVSEAYDASR	-----	ITKALLQ	--	EIGSIDKKVDDN	--	LNQLQVKLKERL	NGKRFVLV	DDMM
	CaRGA42	GGMGKTTLAQVVY	NYKKVTDHFDL	KGWFCVSEAYDASR	-----	ITKALLQ	--	EIGSIDKKVDDN	--	LNQLQVKLKERL	NGKRFVLV	DDMM
	CaRGA40	GGMGKTTLAQVVY	NYKKVTDHFDL	KGWFCVSEAYDASR	-----	ITKALLQ	--	EIGSIDKKVDDN	--	LNQLQVKLKERL	NGKRFVLV	DDMM
	CaRGA29	GGMGKTTLAQVVY	NYKKVTDHFDL	KGWFCVSEAYDASR	-----	ITKALLQ	--	EIGSFDKVDN	--	LNQLQVKLKERL	NGKRFVLV	DDMM
	CaRGA38	GGMGKTTLAKAAY	SDEKVQSHFNL	TAWFCVSEPYDACR	-----	ITKGLLQ	--	DMGSFDLKDDNN	--	LNRLQVKLKE	ELNGKRF	LIVLDDV
TIR-NBS- -LRR	CaRGA01	GGVGKTTIARAI	FD--TLSYRFKA	ACFLADVKEKAKGN	---	QLHSLQNILL	SELLRKKH	DYVYNKL	---	DGKCMIPERL	CSMKVLIV	LDDIDH
	CaRGA02	GGIGKTTIARAI	FD--TLSYRFKA	ACFLADVKEKAKGN	---	QLHSLQNILL	SELLRKKH	DYVYNKL	---	DGKCMIPERL	CSMKVLIV	LDDIDH
	CaRGA10	GGIGKTTIARAI	FD--TLSYRFKA	ACFLADVKEKAKGN	---	QLHSLQNILL	SDLLRKKH	DYVYNKL	---	DGKCMIPERL	CSMKVLIV	LDDIDH
	CaRGA07	GGVGKTTIARAI	FD--TLSYRFKA	ACFLADVKENAKRN	---	QLHSLQNILL	SELLKKK	DDYVNNKL	---	DGKCMIPTRL	CSMKVLIV	LDDIDH
	CaRGA11	GGVGKTTIARAI	FD--TLSYRFKA	ACFLADVKEKAKGN	---	QLHSLQNILL	SELLKKK	DDYVNNKL	---	DGKCMIPTRL	CSMKVLIV	LDDIDH
	CaRGA08	GGVGKTTIARAI	FD--TLSYRFKA	ACFLADVKEKAKGN	---	QLHSLQNILL	SELLKKK	DDYVNNKL	---	DGKCMIPTRL	CSMKVLIV	LDDIDH
	CaRGA12	GGVGKTTIARAI	FD--TLSYRFKA	ACFLADVKEKAKGN	---	QLHSLQNILL	SELLKKK	DDYVNNKL	---	DGKCMIPTRL	CSMKVLIV	LDDIDH
	CaRGA04	GGVGKTTIATAI	FHKFSLVQFEA	ACILDDVKENAKNN	---	GLCSLQNILL	SELLGEK	DNYVKSQ	---	VGKCMIPSR	LCSMKVLIV	LDDIDH
	CaRGA03	GGIGKTTIARAV	FD--AHSCQFEA	ACFIEDIKEN--KC	---	GMRFLQNILL	SELLREK	DNYVNNK	---	DGKHMIAARR	LPFNKVLV	LDDIDH
	CaRGA05	GGVGKTTIARAV	FD--AHSCQFEA	ACFIEDIKEN--KC	---	GMRFLQNILL	SELLREK	DNYVNNK	---	DGKHMIAARR	LPFNKVLV	LDDIDH
	CaRGA06	GGMGKTTIARAV	FD--AHSCQFEA	ACFIEDIKEN--KC	---	GMRFLQNILL	SELLREK	DNYVNNK	---	DGKHMIAARR	LPFNKVLV	LDDIDH
	CaRGA09	ANWARRRMLPA	AMA--AAGIRL	DRPC-----	---	FLQNILL	SELLREK	DNYVNNK	---	DGKHMIAARR	LPFNKVLV	LDDIDH
	CaRGA49	GGVGKTTIASG	IFD--EISSQFE	GSCFLANVWSVL	KKSELEVLQHL	QKQLLSQIL	KKDSVNP	PNFA--	---	TGDEMISQML	RFKKVLIV	LDDMD
	CaRGA50	GGVGKTTIASG	IFD--EISSQFE	GSCFLANVWSVL	KKSELEVLQHL	QKQLLSQIL	KKDSVNP	PNFA--	---	TGDEMISQML	RFKKVLIV	LDDMD
	CaRGA44	---GKTTIAREI	FG--VISCQFE	GCCFLANVRSVL	KKSGLGLQL	LQKQLLSQIL	KKDSVNP	PNFA--	---	RGDEMMSQML	RFKKVLIV	LDDVDS



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