

	1	10	20	30	40	50	
AC187157.4	GVR	MAW	GKVVSEIREP	RK.KSRIWIGTF	PCPEMAAA	AHDAALSV	KG.AR.A.VLN
AC198403.3	GVR	KRW	GKVVSEIREP	PK.KTRIWI	GSFESPEMAA	VHDAALRL	RG.RE.A.RLN
GRMZM2G000	GIR	CRS	GKVVSEIREP	PK.ARRIWIGTY	PTPEMAAA	AYDVAARAL	RG.AD.A.VLN
GRMZM2G003	GVR	QRHW	GKVVAEIRLP	NR.RTRLWI	GTFDTAEBAAL	LAYDSAAFR	LG.DS.A.RLN
GRMZM2G005	GVR	MAW	GKVVSEIREP	PK.KSRIWIGTF	PTPEMAAA	AHDAALSV	KG.PA.A.VLN
GRMZM2G006	GVR	QRHW	GKVVAEIRLP	NR.VDRLWI	GTFDTAEBAAL	AYDEAARAM	YG.DL.A.RTN
GRMZM2G007	GVR	MRSW	GSWVSEIRAP	NQ.KRRIWIGSY	ATPEAAAR	AYDAALCL	KG.SN.A.VLN
GRMZM2G010	GVR	QRPS	GRWVAEIKDT	TIQ.KIRVWI	GTFDTAEBAAL	AYDEAAACL	RG.SN.T.RTN
GRMZM2G011	GVR	MRSW	GSWVSEIRAP	NQ.KTRIWI	GSYSTAEAAAR	AYDAALCL	KG.SA.A.DLN
GRMZM2G011	GVR	QRPS	GRWVAEIKDT	TIQ.KIRMWI	GTFDTAEAAAK	AYDEAARL	RG.SD.A.RTN
GRMZM2G015	GVR	MRSW	GSWVSEIRAP	NQ.KRRIWIGSY	ATPEAAAR	AYDAALCL	KG.SD.A.VLN
GRMZM2G016	GVR	LRQW	GRWAAEVRVP	GT.RQKLVW	GTFETDRQAA	LAYDAAVFCF	YG.VH.A.VLN
GRMZM2G019	GVR	QRPS	GRWVAEIKDT	TIQ.KIRVWI	GTFDTAEBAAL	AYDEAAACL	RG.AN.T.RTN
GRMZM2G021	GVR	MRSW	GSWVSEVRAP	SQ.KTRIWI	GSYSTAEAAAR	AYDAALCL	KG.AA.A.DLN
GRMZM2G026	GVR	QRHW	GKVVAEIRLP	NR.RTRLWI	GTFDTSAEDAA	MAYDREAFK	LG.EN.A.RLN
GRMZM2G028	GVR	QRTW	GKVVAEIREP	NR.GARLWI	GTFGSALEAA	AYDAARTL	YG.DC.A.RLN
GRMZM2G028	GVR	MAW	GKVVSEIREP	PK.KSRIWIGTF	DNPPEMAA	AHDAAAVAI	KG.RA.A.HLN
GRMZM2G029	GVR	QRHW	GKVVAEIRLP	NR.RTRLWI	GTFDTAEBAAL	LAYDEAARL	KG.DT.A.RLN
GRMZM2G033	GVR	ERLW	GGWAAEIRIP	RT.RSRLWV	GRFQHALQAA	LAYDAAMFCF	YG.ES.QRKF
GRMZM2G039	GVR	QRPS	GRWVAEIKDT	TIQ.KIRVWI	GTFDTAEBAAL	AYDEAAACL	RG.AA.A.RLN
GRMZM2G040	GVR	QRHW	GKVVAEIRLP	NR.RTRLWI	GTFDTSAEDAA	MAYDREAFK	LG.EN.A.RLN
GRMZM2G041	GVR	MAW	GKVVSEIREP	PK.KSRIWIGTF	DTPPEMAA	AHDAVAALAI	KG.RA.A.HLN
GRMZM2G042	GVR	SRNP	GRWVCEVREP	HG.KQRIWIGTF	EATAEAAAR	AHDAVAALAI	KG.RA.A.CLN
GRMZM2G047	GVR	MAW	GKVVSEIREP	PK.KSRIWIGTF	DTPPEMAA	AHDAVAALAI	KG.PA.A.VLN
GRMZM2G048	GVR	MAW	GKVVSEIREP	PK.KSRIWIGTF	DTPPEMAA	AHDAVAALAI	KG.RA.A.HLN
GRMZM2G055	GVR	QRHW	GKVVAEIRLP	NR.RTRLWI	GTFDTAEBAAL	LAYDKAAFR	LG.DT.A.RLN
GRMZM2G059	GVP	QPN	GRWGAQIYER	HQ.RRVWIGTF	TGEAEEAA	AYDVAARF	RG.RD.A.VTN
GRMZM2G061	GVR	QRHW	GKVVAEIRLP	NR.RTRLWI	GTFDTAEBAAL	LAYDQAAFR	LG.DA.A.RLN
GRMZM2G069	GVR	RRGAA	GRWVCEVRVP	GR.RARLWI	GTYLGAEAAAR	AHDAAMLAL	LG.RG.AA.CLN
GRMZM2G069	GVR	RRGSA	GRWVCEVRVP	GR.RCRLWI	GTFDAAEAAAR	AHDAAMLAI	AG.AS.A.CLN
GRMZM2G069	GVR	RRGSA	GRWVCEVRVP	GR.RCRLWI	GTFDAAEAAAR	AHDAAMLAI	AG.AA.A.CLN
GRMZM2G072	GVR	MAW	GKVVSEIREP	PK.KSRIWIGTF	EATAEAAAR	AHDAVAALAI	KG.RA.A.HLN
GRMZM2G073	GVR	MAW	GKVVSEIREP	PK.KSRIWIGTF	EATAEAAAR	AHDAVAALAI	KG.RA.A.HLN
GRMZM2G076	GVT	RLKWS	GKYEAAQVEGR	KR.RKHVYL	GSYVDEEQAA	AHDAALAI	KG.RA.A.HLN
GRMZM2G084	GVR	MRSW	GSWVSEVRAP	GQ.KTRIWI	GSHATAEAAAR	AHDAALCL	RG.SA.A.DLN
GRMZM2G085	GVR	QRHW	GSWVSEIRHP	LL.KRRIWIGTF	EATAEBAAL	AYDEAAVLM	SG.RN.A.KTN
GRMZM2G093	GVR	QRSW	GKVVAEIREP	PK.RSRKWI	GTFATAEDAA	AYDRAALL	YG.PR.A.HLN
GRMZM2G097	GVR	KRW	GKVVSEIRLP	NS.RERIWI	GSYDAPDKAA	AFDAAFVCL	RG.RAG.A.DLN
GRMZM2G097	GVR	ARAG	TRWVCEVREP	QA.QARIWIGTY	PTPEMAA	AHDAVAALAI	KG.AT.AADLN
GRMZM2G100	GVR	QRQW	GKVVAEIRLP	QN.RRVVWI	GTYDSEPTAA	AHDAARHL	RG.EY.A.RLN
GRMZM2G104	GVR	QRHW	GSWVSEIRHP	LL.KTRIWI	GTYEATAEBAAL	AYDEAARLM	SG.PS.A.RTN
GRMZM2G104	GV	QORN	SRYTAAIWN	THA.ARTLWI	GSYETPEEAA	AYDAARIM	RG.HR.A.RPN
GRMZM2G106	GVR	QRHW	GSWVSEIRHP	LL.KRRIWIGTF	EATAEBAAL	AYDEAAVLM	SG.RN.A.KTN
GRMZM2G113	GVR	QRHW	GKVVAEIRLP	NR.RTRLWI	GTFDTAEBAAL	LAYDGAARL	RG.DS.A.RLN
GRMZM2G124	GVR	RRGRA	GRWVCEVRVP	GR.RCRLWI	GTFDAAEAAAR	AHDAAMLAV	AA.GA.A.RLN
GRMZM2G124	GVR	RRGAA	GRWVCEVRVP	GR.RARLWI	GTYLAAEAAAR	AHDAAMLAL	QG.RG.AGRLN
GRMZM2G137	GVR	RRNP	GRWVCEVREP	HG.KQRIWIGTF	EATAEAAAR	AHDAVAALAI	KG.RA.A.CLN
GRMZM2G139	GVR	QRHW	GKVVAEIRLP	NR.RTRLWI	GTFDTAEBAAL	LAYDQAAFR	LG.DA.A.RLN
GRMZM2G141	GVR	QRHW	GKVVAEIRLP	NR.RTRLWI	GTFDTAEBAAL	LAYDQAAFR	LG.DA.A.RLN
GRMZM2G146	GVA	RHHN	GRWEARIGRV	FG.NKLYI	GTFDTQEEAA	KAYDLAAIEY	RG.VN.A.VTN
GRMZM2G156	GVR	QRTW	GKVVAEIREP	NR.GARLWI	GTFGSALEAA	AYDAARAL	YG.DC.A.RLN
GRMZM2G163	GVR	LRKW	GRWVSEIRMP	NS.RERVWI	GSYSAEKAA	AFDAAVCL	KG.SA.A.HLN
GRMZM2G172	GVR	MRSW	GKVVSEIREP	PK.KSRIWIGTF	EATAEAAAR	AHDAVAALAI	KG.ARD.A.HLN
GRMZM2G174	GVR	MRKW	GKVVAEIREP	PK.RTRIWI	GSYATAVA	AAAYDTAVFYL	KG.RS.A.RLN
GRMZM2G175	GVR	RRGRA	GRWVCEVRVP	GR.RDRLWI	GTFDAAEAAAR	AHDAAMLAL	CG.AA.A.SLN
GRMZM2G300	GVR	QRHW	GKVVAEIRLP	NR.RTRLWI	GTFDTAEBAAL	LAYDREAFK	LG.DN.A.RLN
GRMZM2G323	TF	FRGCW	IAPSGQIREP	NK.RTRLWI	GSFATAEBAAL	LAYDEAARRL	YG.PD.A.FLN
GRMZM2G368	GIR	SRS	GKVVSEIREP	PK.TRRIWIGTF	PTPEMAA	AYDVAARAL	RG.PD.A.ALN
GRMZM2G376	...	QRTW	GKVVAEIREP	NK.RARLWI	GSFATAEBAAL	LAYDEAARRL	YG.TD.V.FLN
GRMZM2G380	GVR	RRGPA	GRWVCEVREP	NK.KSRIWIGTF	EATPEAAAR	AHDAVAALAI	KG.RA.A.CLN
GRMZM2G384	GVR	QRPS	GRWVAEIKDT	TIQ.KIRMWI	GTFEATAEAAK	AYDEAARL	RG.TD.A.RTN
GRMZM2G399	...	QRTW	GKVVAEIREP	NK.RTRLWI	GSFATAEBAAL	LAYDEAARRL	YG.PD.A.FLN
GRMZM2G419	...	QRTW	GKVVAEIREP	NK.RTRLWI	GSFATAEBAAL	LAYDEAARRL	YG.PD.A.FLN
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GRMZM2G434	GIR	CRS	GKVVSEIREP	PK.ARRIWIGTY	PTPEMAA	AYDVAARAL	RG.AD.A.VLN
GRMZM2G477	GVR	LRAL	GKVVSEIREL	RK.PSRIWIGTY	PTPEMAA	AYDVAALAI	KG.AG.A.ALN
GRMZM2G480	GVR	FRHW	GKWAAEIRVPT	RK.REKLWI	GTFESARQAAL	LAYDAAVFCF	YG.ER.A.APK
GRMZM5G806	GVR	MAW	GKVVSEIREP	PK.KSRIWIGTF	PTAEMAA	AHDAVAALAI	KG.RA.A.HLN
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GRMZM5G852	GVR	QRHW	GKVVAEIRLP	NR.RTRLWI	GTFDTSAEBAAL	LAYDKAAFR	LG.DA.A.RLN
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ZmERF1	GVR	YRRS	GRWAAEIRD	PQ.GRAWI	GTYRTAEBAAL	LAYDREARRI	RG.SK.A.RLN
ZmERF2	GIR	QRPW	GKWAAEIRD	PK.GTRVWI	GTFSTAEBAAL	AYDVEARRL	RG.SK.A.KVN
ZmERF3	GVR	RRPW	GKWAAEIRD	PK.GTRVWI	GTFSTAEBAAL	AYDVEARRL	RG.SK.A.KVN
ZmERF4	Zm	ERF4	GKWAAEIRD	PK.GTRVWI	GTFSTAEBAAL	AYDVEARRL	RG.SK.A.KVN
ZmERF5	GIR	RRPW	GKWAAEIRD	PK.GTRVWI	GTFSTAEBAAL	AYDVEARRL	RG.SK.A.KVN
ZmERF6	GVR	KRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
ZmERF7	GVR	KRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
ZmERF8	GVR	QRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
ZmERF9	GVR	QRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
ZmERF10	GVR	QRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
ZmERF11	GVR	RRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
ZmERF12	GVR	QRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
ZmERF13	GVR	RRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
ZmERF14	GVR	QRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
ZmERF15	GIR	QRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
ZmERF16	GVR	RRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
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ZmERF20	GVR	QRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
ZmERF21	GVR	KRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
ZmERF22	GVR	KRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
ZmERF23	GVR	RRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
ZmERF24	GVR	RRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
ZmERF25	GVR	KRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
ZmERF26	GVR	KRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
ZmERF27	GVR	RRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
ZmERF28	GIR	QRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN
ZmERF29	GVR	RRPW	GKFAAEIRDS	TRNGRVWI	GTFDSAEAAAL	LAYDQAAVAM	RG.EA.A.VLN

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ZmERF32 GVRKRPPW.GRYAAEIRDP.AK.KARVWIGTFD.SAEDAARAYDAAARML.RG.PK.A.RTN.  
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ZmERF75 GVRQRPW.GKFAAEIRDP.ARNGARVWIGTYD.TAED.AALAYDRAAYRM.RG.SR.A.LLN.  
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