

	10	20	30	40	50	60	70	80	90	100		
At4g12530/34-115	CPFDVLK	LSICSNVLG	LIHLKLG	AFAMRPP	CCSILFGLTDLVAV	CLCTALKL	LLG	ITID	IPRIHL	LALNACGG	LPFG-FRC	
At4g22490/37-116	CPRNPLG	LGVCANVLG	LAVVLAG	DPRARCC	TALNGLTVVVD	CLCFIFRR	PLV	FGID	VAVR	IFFACNR	VPTG-FRC	
At3g22120/250-332	CPIDTLK	LGACVDLLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At3g22142/1397-1478	CPIDTLK	LGSCVDLLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At4g15160/181-264	CPIDALK	LGACVDLLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os06g07220/159-240	CPIDALK	LGACVDLLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At1g62500/212-293	CPIDALK	LGACVDLLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At2g10940/208-289	CPIDTLK	LGACVDLLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os06g43600/172-253	CPVDSLK	IGACVDLLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At1g12090/55-137	CPIDTLK	LGVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At1g62510/67-149	CPIDALK	LGVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At4g12470/78-160	CPIDALK	LGVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At4g12480/85-167	CPIDALK	LGVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At4g12490/99-181	CPIDALK	LGVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At4g12500/94-176	CPIDALK	LGVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At4g12510/46-128	CPIDALK	LGVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At4g12520/46-128	CPIDALK	LGVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At4g12545/28-107	CP	IT	IT	IT	IT	IT	IT	IT	IT	IT	IT	
At4g12550/28-110	CPINSLK	IGVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At4g22460/50-132	CPIDALK	LGVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At5g46890/48-126	C-KDALK	LRVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At5g46900/48-126	C-KDALK	LRVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At2g45180/52-133	CPIDTLK	LGVCADLLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At4g00165/46-128	CPIDTLK	LGVCADLLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At1g12100/48-130	CPIDALK	LGVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os04g46810/49-130	CPIDALK	LGVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os04g46820/49-130	CPIDALK	LGVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os02g44310/52-133	CPIDALK	LGVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os10g40520/40-122	CPIDALK	LGVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os10g40530/48-130	CPIDALK	LGVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os10g40510/50-132	CPIDALK	LGVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os03g01320/100-182	CPIDALK	LGVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os10g40614/85-166	CPIDALK	LGVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os04g55150/211-289	CPIDALK	LGVCADLLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os10g20830/56-137	CPINSLK	LRVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os10g20840/56-137	CPINSLK	LRVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os10g20855/56-133	CPINSLK	LRVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os10g20880/49-134	CPIDALK	LRVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os10g40440/60-142	CPIDALK	LRVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os10g40480/55-136	CPIDALK	LRVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os10g40430/65-146	CPIDALK	LRVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os10g40460/50-131	CPIDALK	LRVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os10g40470/50-131	CPIDALK	LRVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os10g20890/44-126	CPIDALK	LRVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os03g01300/55-136	CPIDALK	LRVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os03g01310/57-138	CPIDALK	LRVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os03g05060/39-122	CPISALD	LRVCADVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os10g09920/50-126	CPINVLG	LAVCANVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os02g44320/46-127	CPINSLK	FAACADVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os04g46830/55-136	CPINSLK	FAACADVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os04g52250/112-194	CPVDTLK	LLACVDALG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os04g52260/70-152	CPVDTLK	LLACVDALG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os06g01580/35-115	CPINVLG	LGVCADVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os08g27680/42-129	LPBIVGK	LGVCBSVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
LOC_Os10g40420/64-159	CPIDALK	LAACADVLG	GGGGGGGGLL	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC
LOC_Os04g55170/7-88	CPWDVVK	FGACAGVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At4g22513/30-113	CPINSLK	LGICNVVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At4g22517/30-113	CPINSLK	LGICNVVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At4g22520/37-117	CPIDSLK	FLICNVVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At4g22610/28-104	CPIDSLK	FLICNVVLG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At4g22485/578-655	CPINSLK	IRICSNVLRFFG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At4g22505/451-528	CPINSLK	IRICSNVLRFFG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	
At4g22470/297-374	CPINSLK	IRICSNVLRFFG	LIHIGLGKS	AKAKCC	CPVVGGLVDAAV	CLCTTIK	KLKLN	IDLV	LPIALG	LLNCCGK	TPFG-FRC	