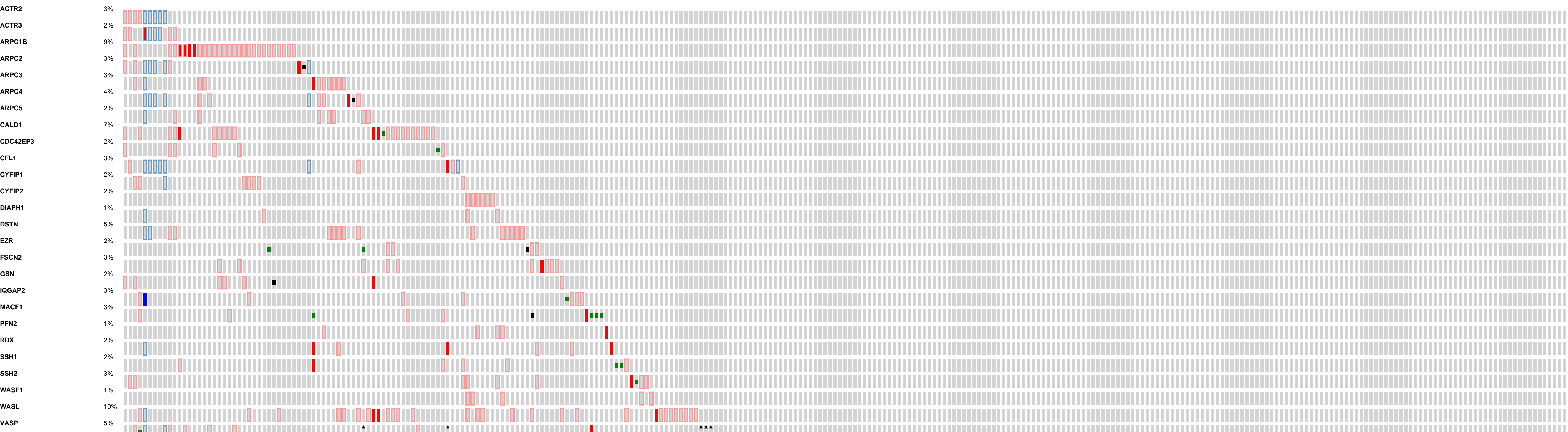
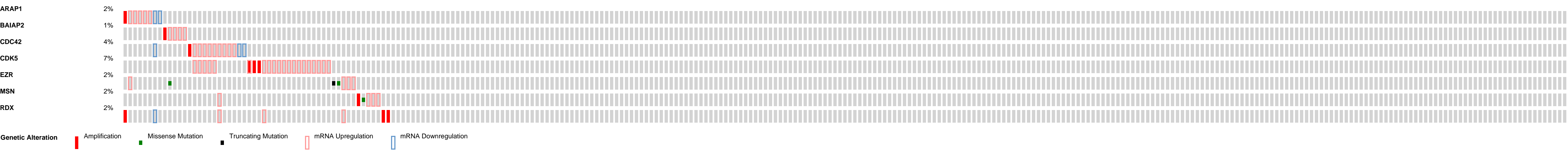


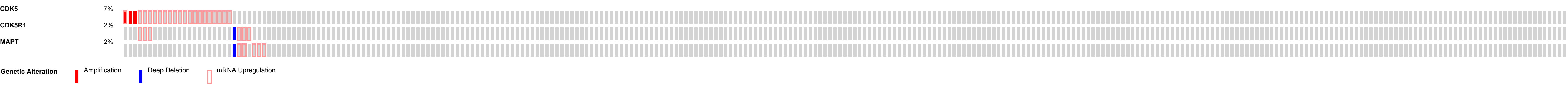
**Supplementary Figure 1.** Genetic alteration analysis of all the 85 cytoskeleton regulators from 291 patients analyzed in this study.



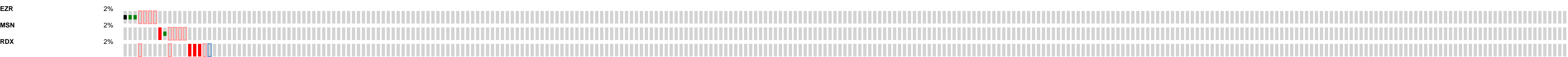
**Genetic Alteration**

- Amplification
- Deep Deletion
- Missense Mutation
- Truncating Mutation
- Protein Upregulation
- mRNA Upregulation
- mRNA Downregulation



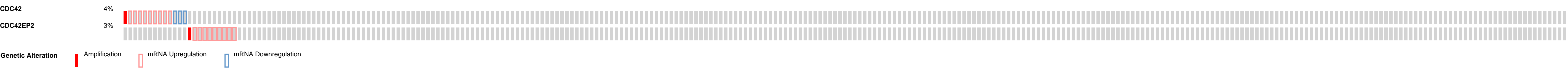






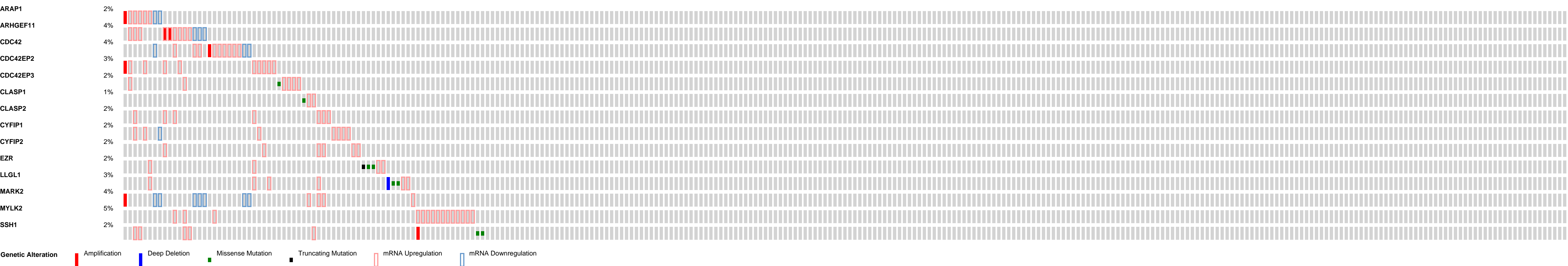
**Genetic Alteration**

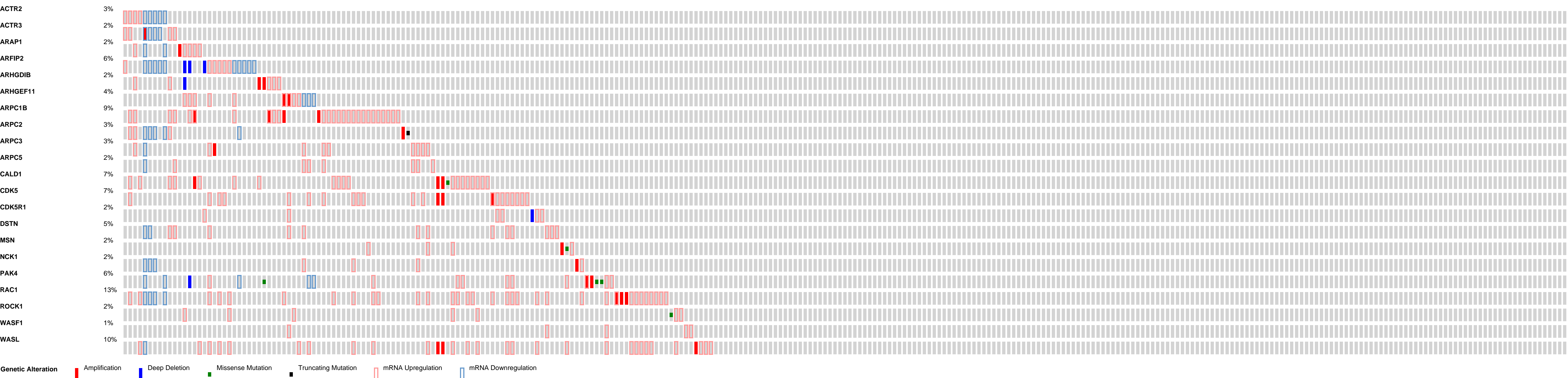
- █ Amplification
- █ Missense Mutation
- █ Truncating Mutation
- mRNA Upregulation
- mRNA Downregulation

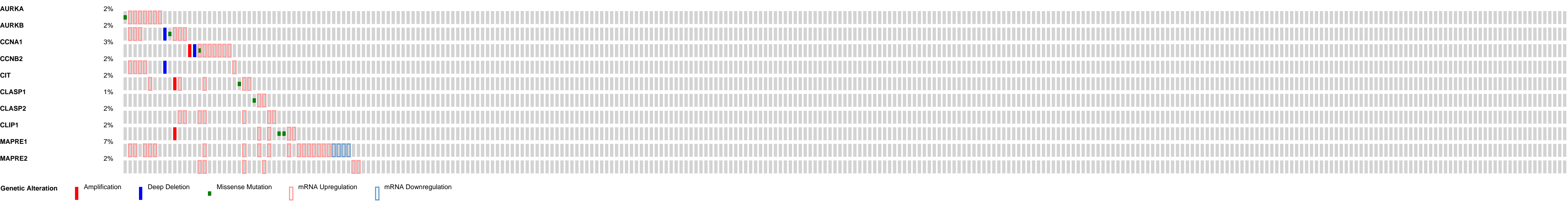


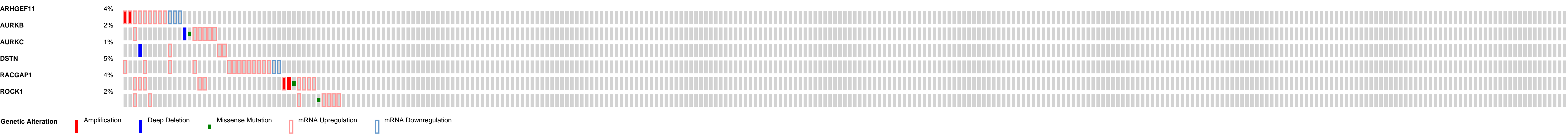


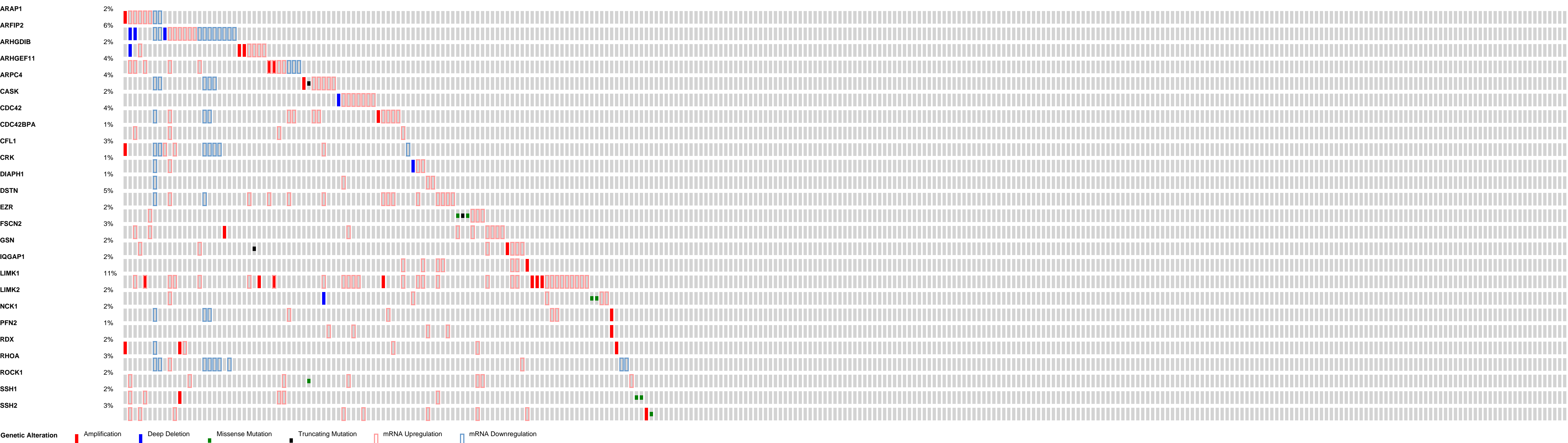




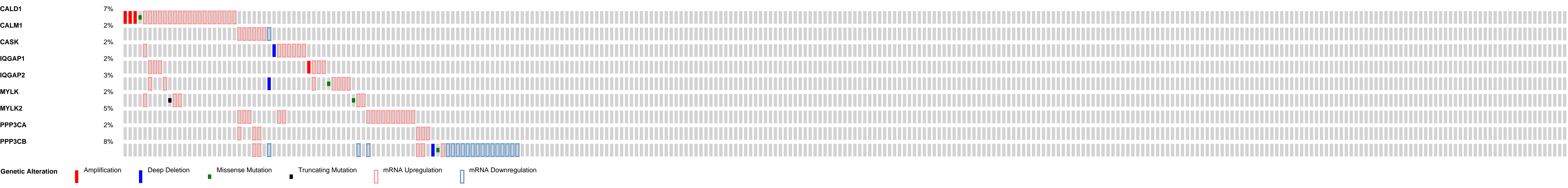






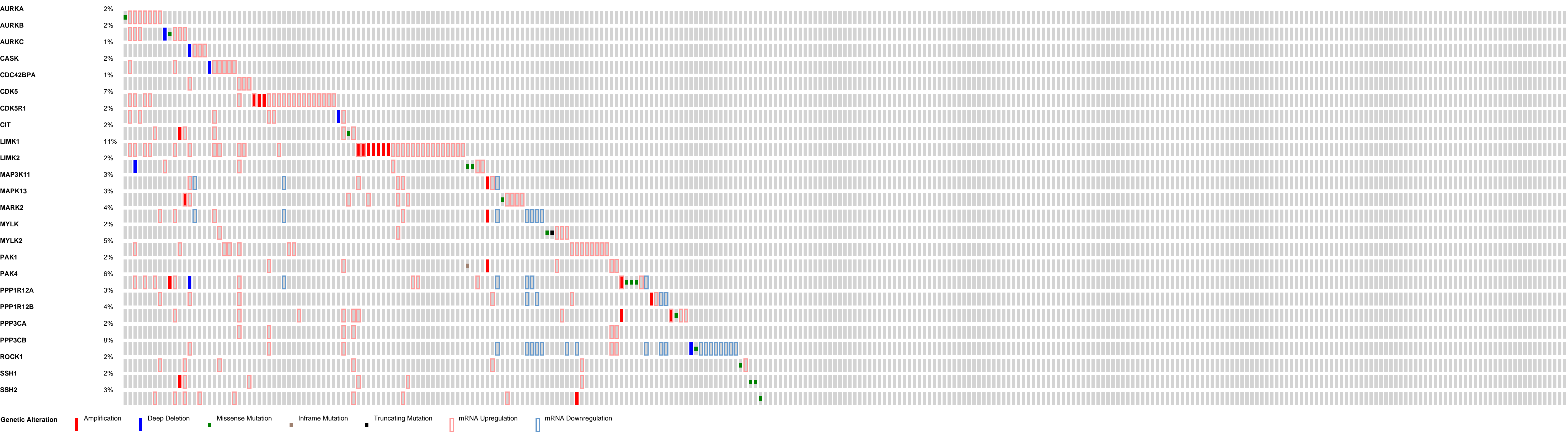














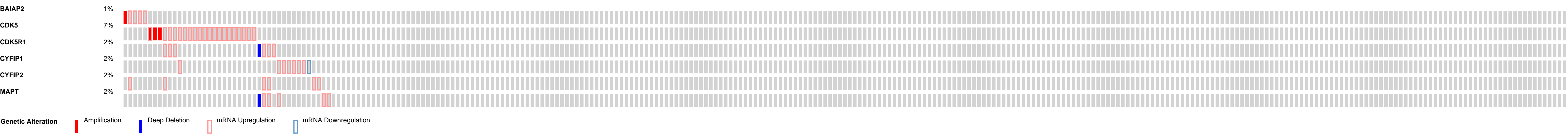






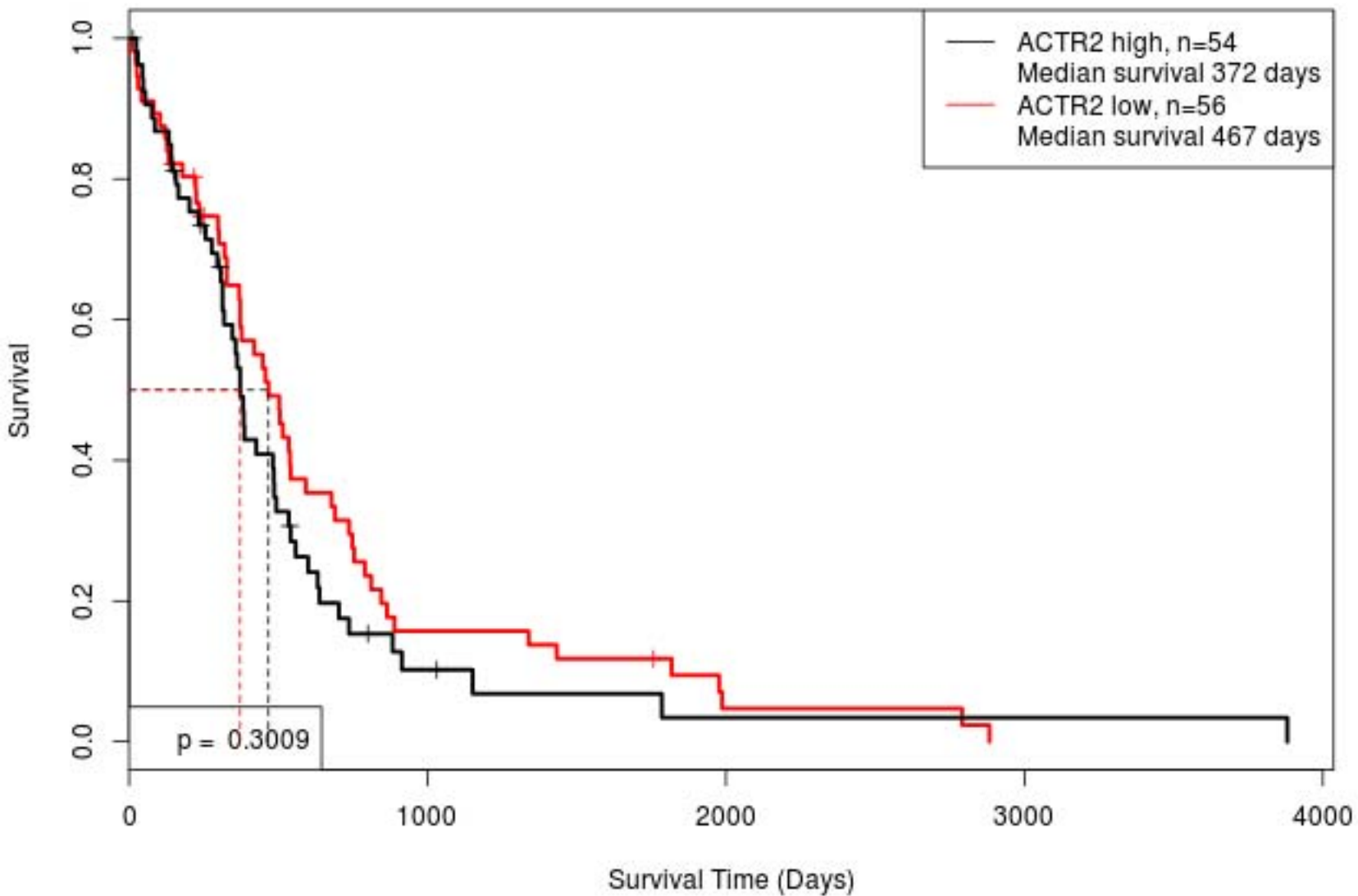


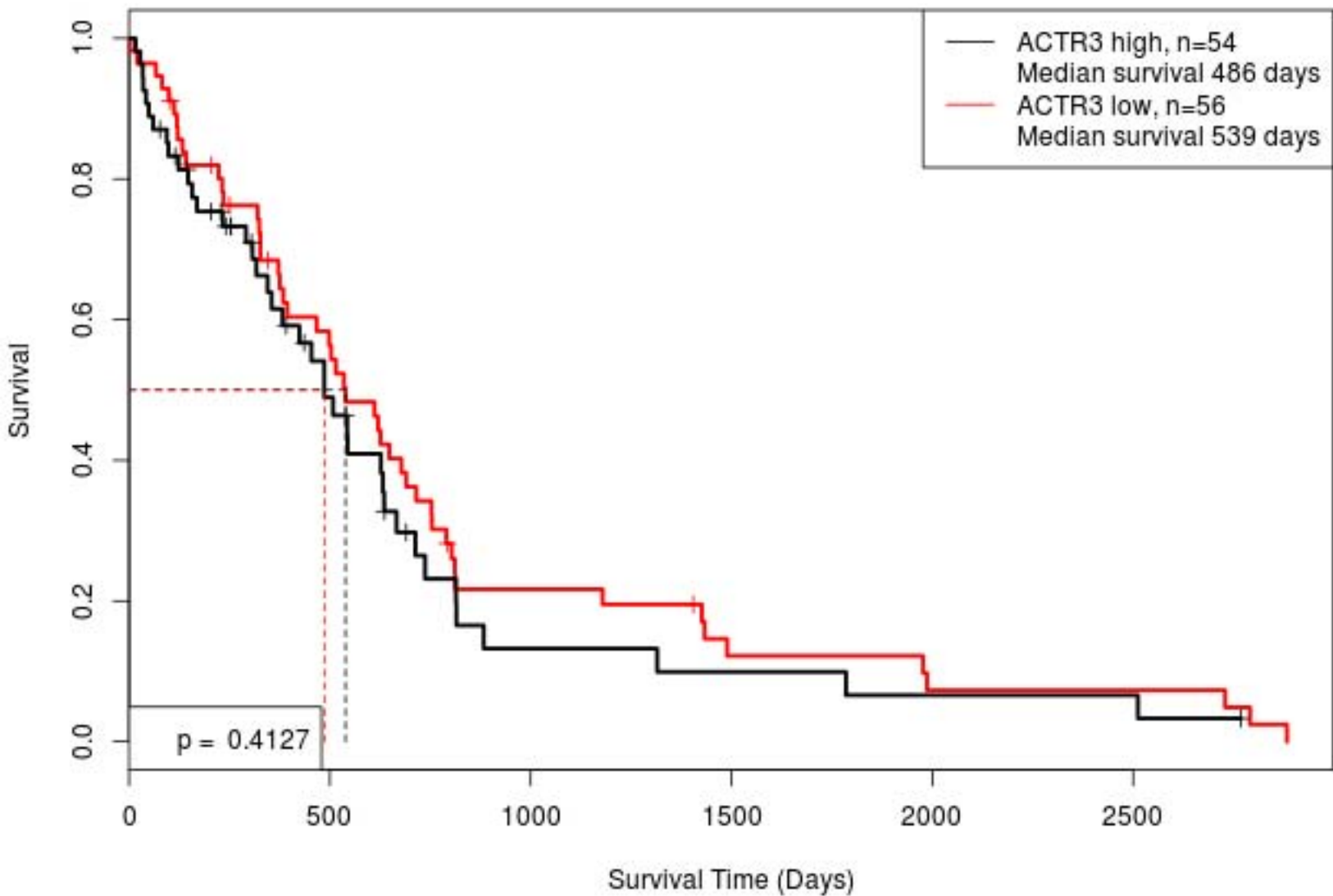


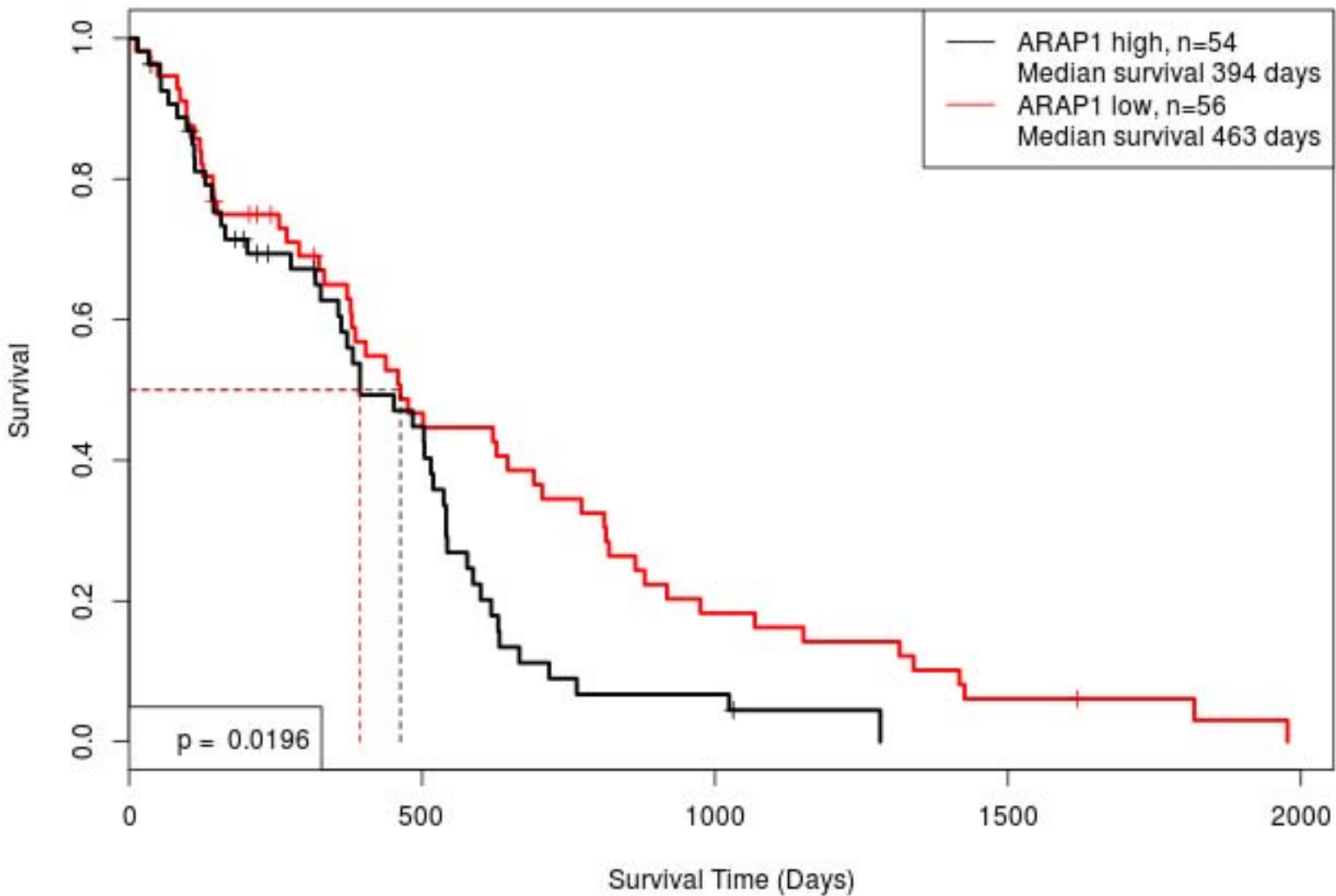


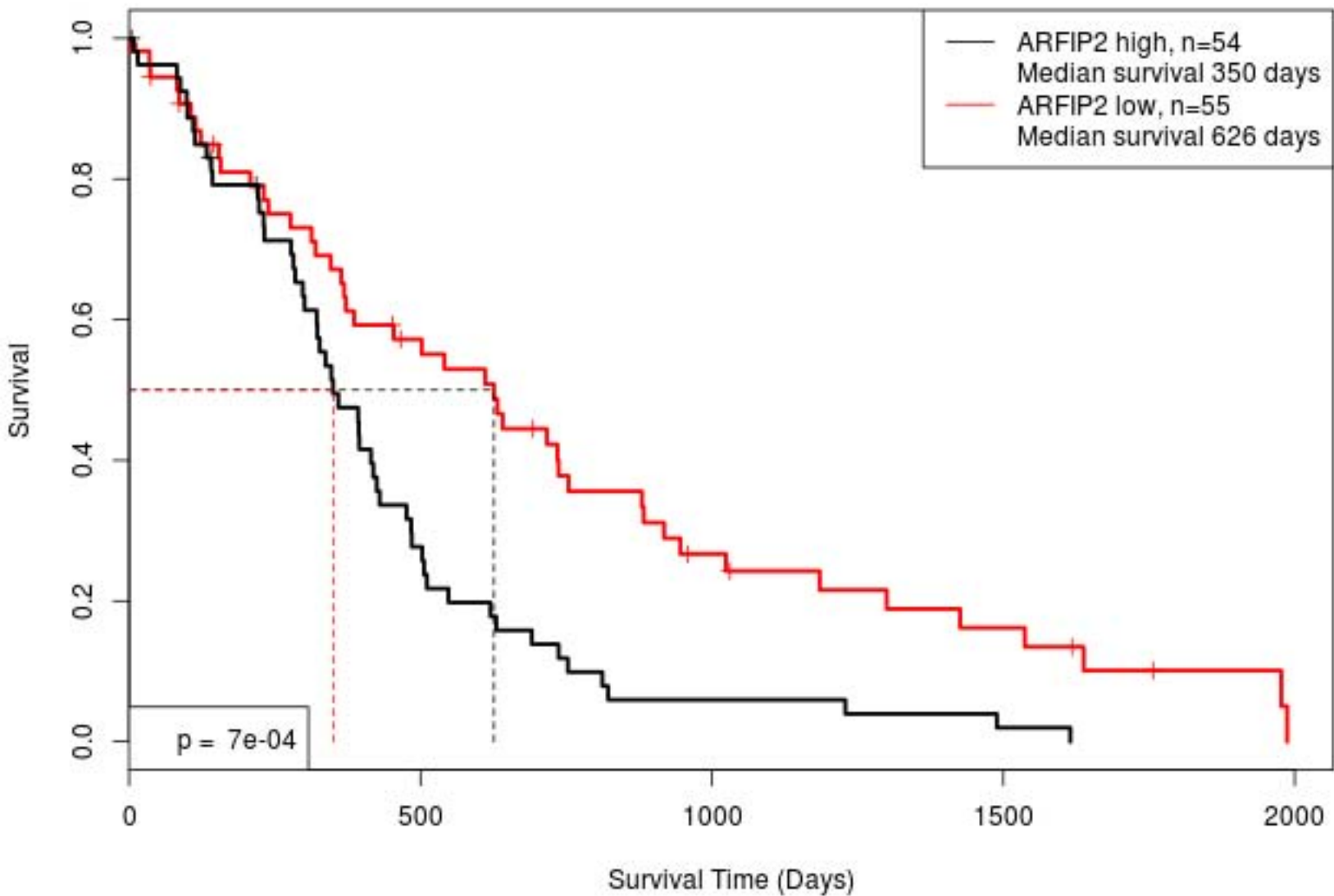


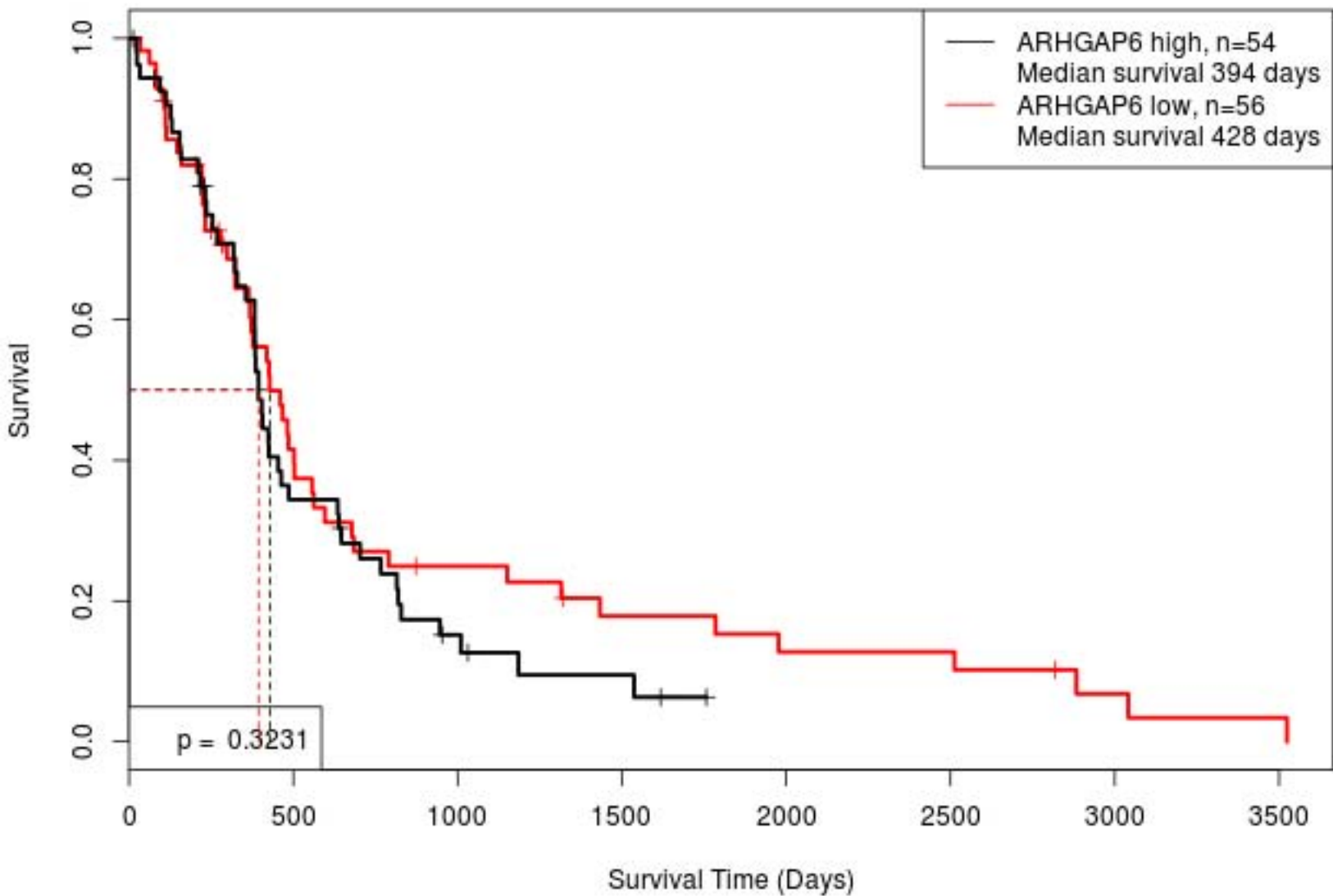
**Supplementary Figure 2.** Survival plots of patients with high or low expression of cytoskeleton regulators analyzed in this study.

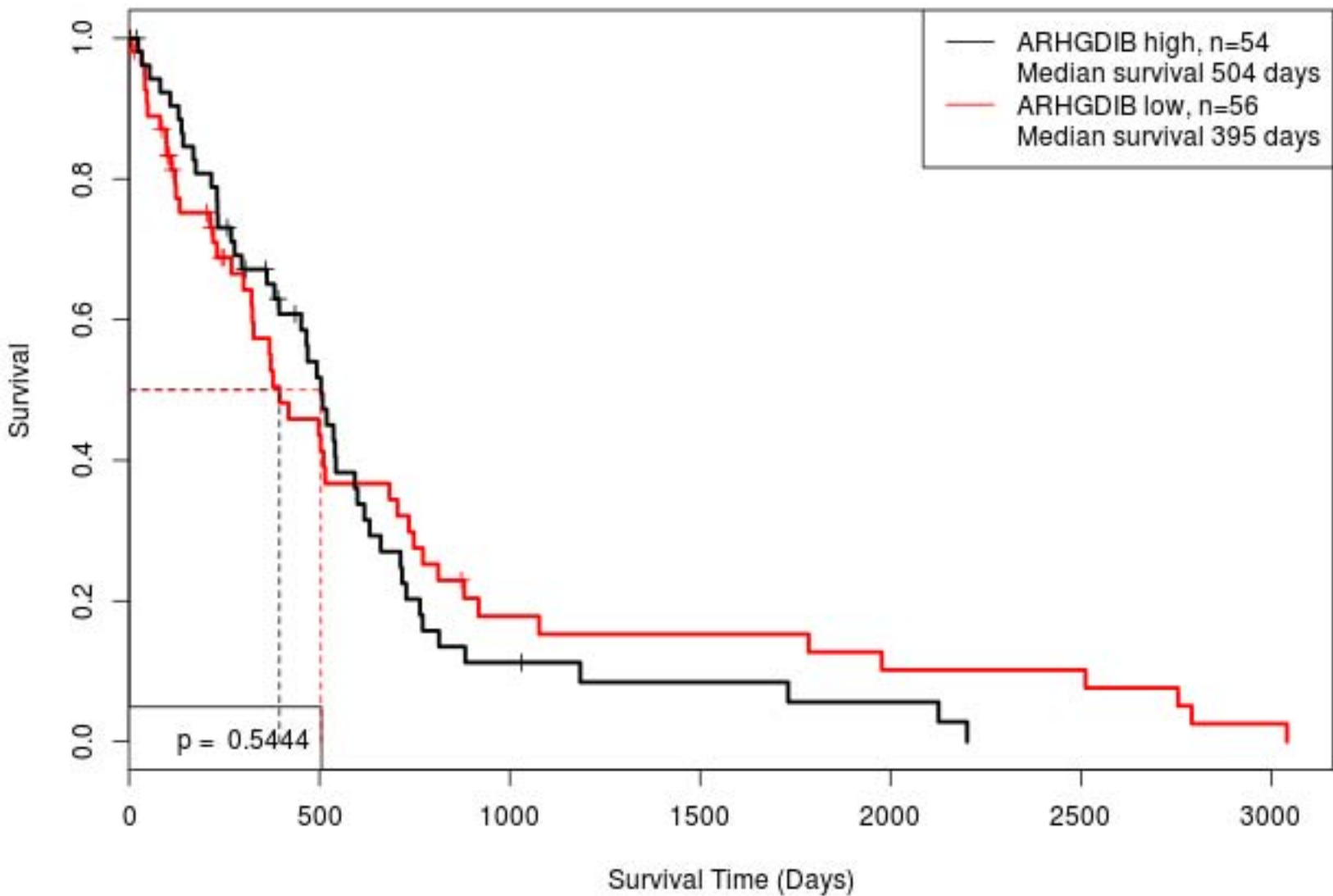


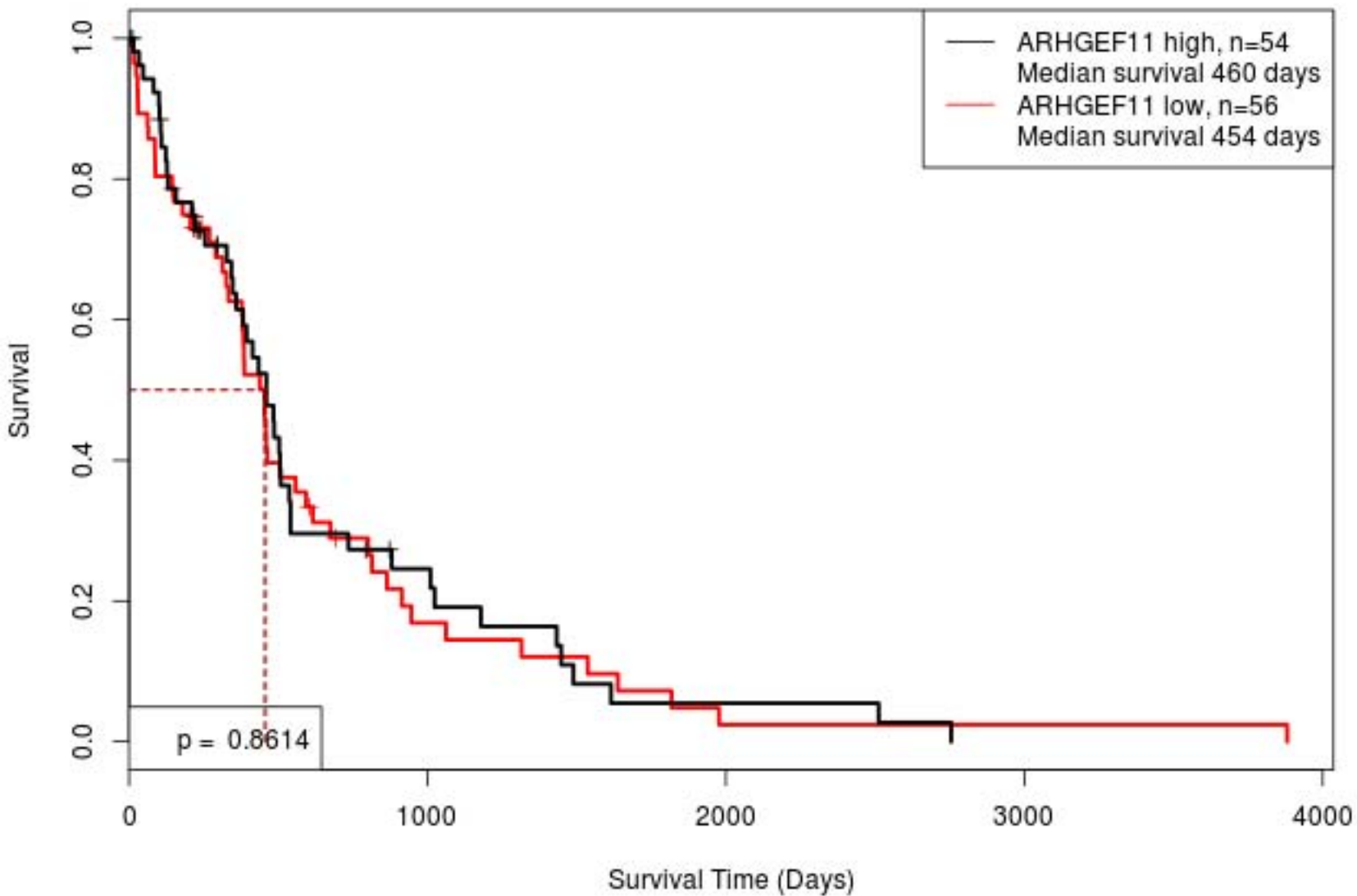




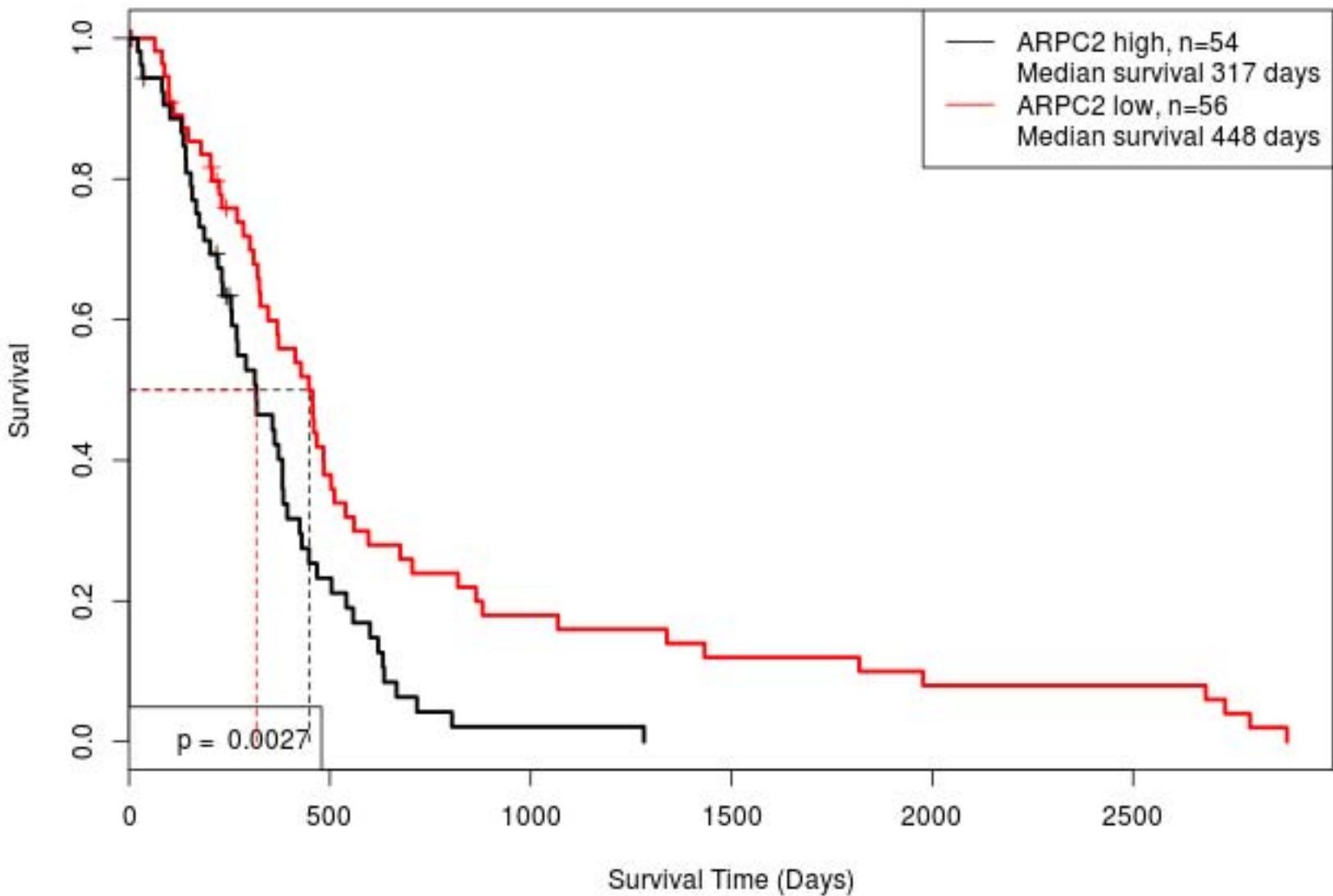


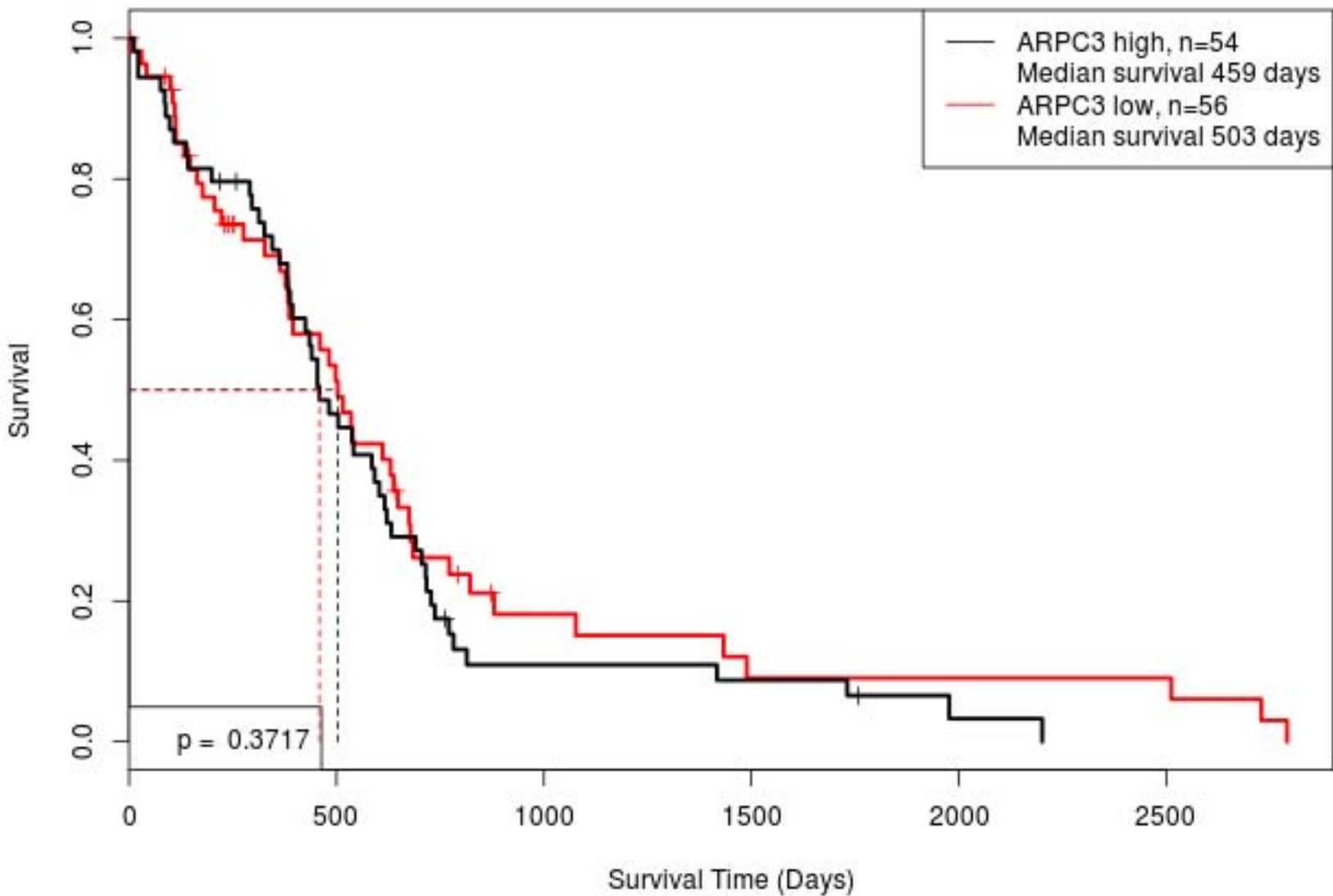


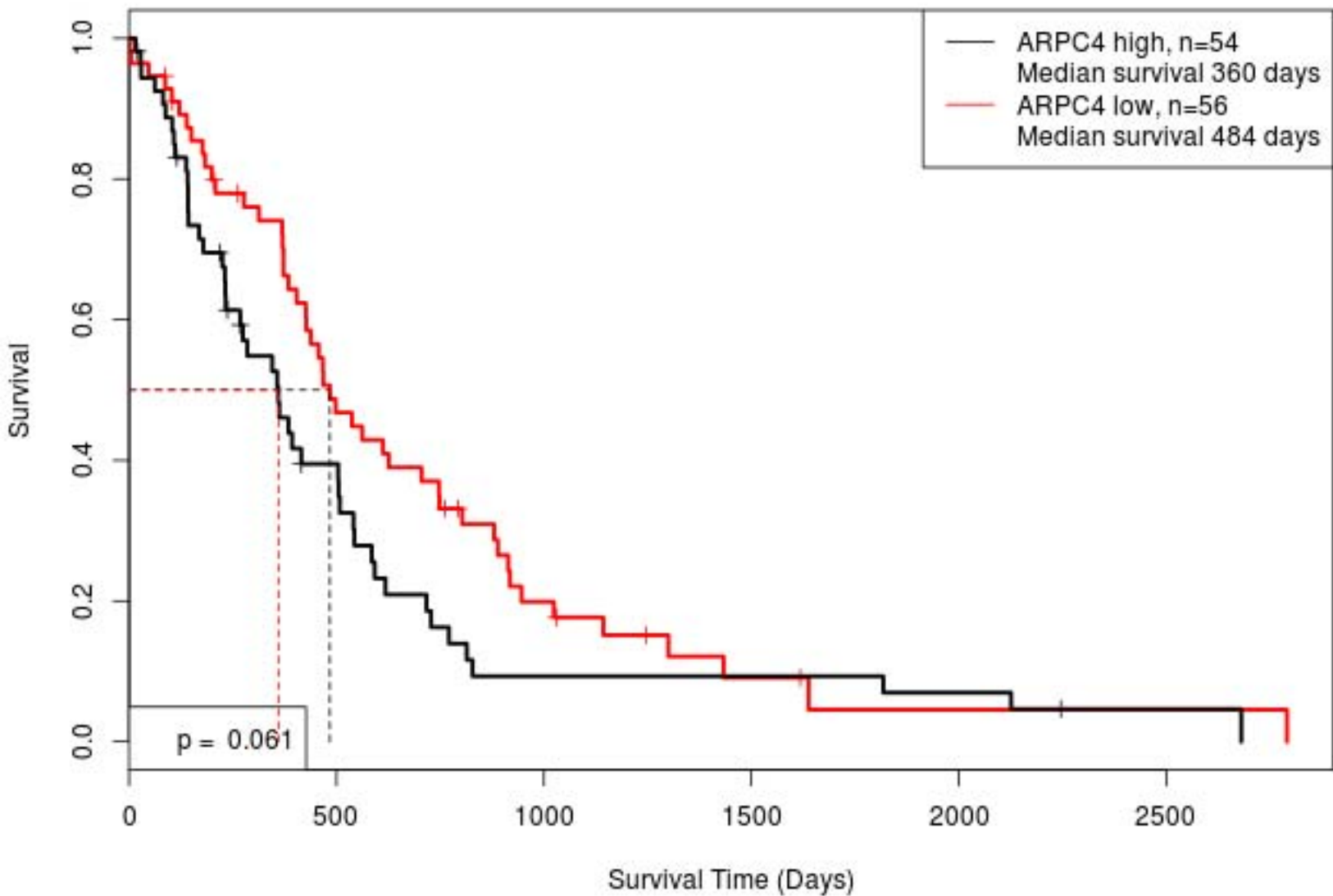


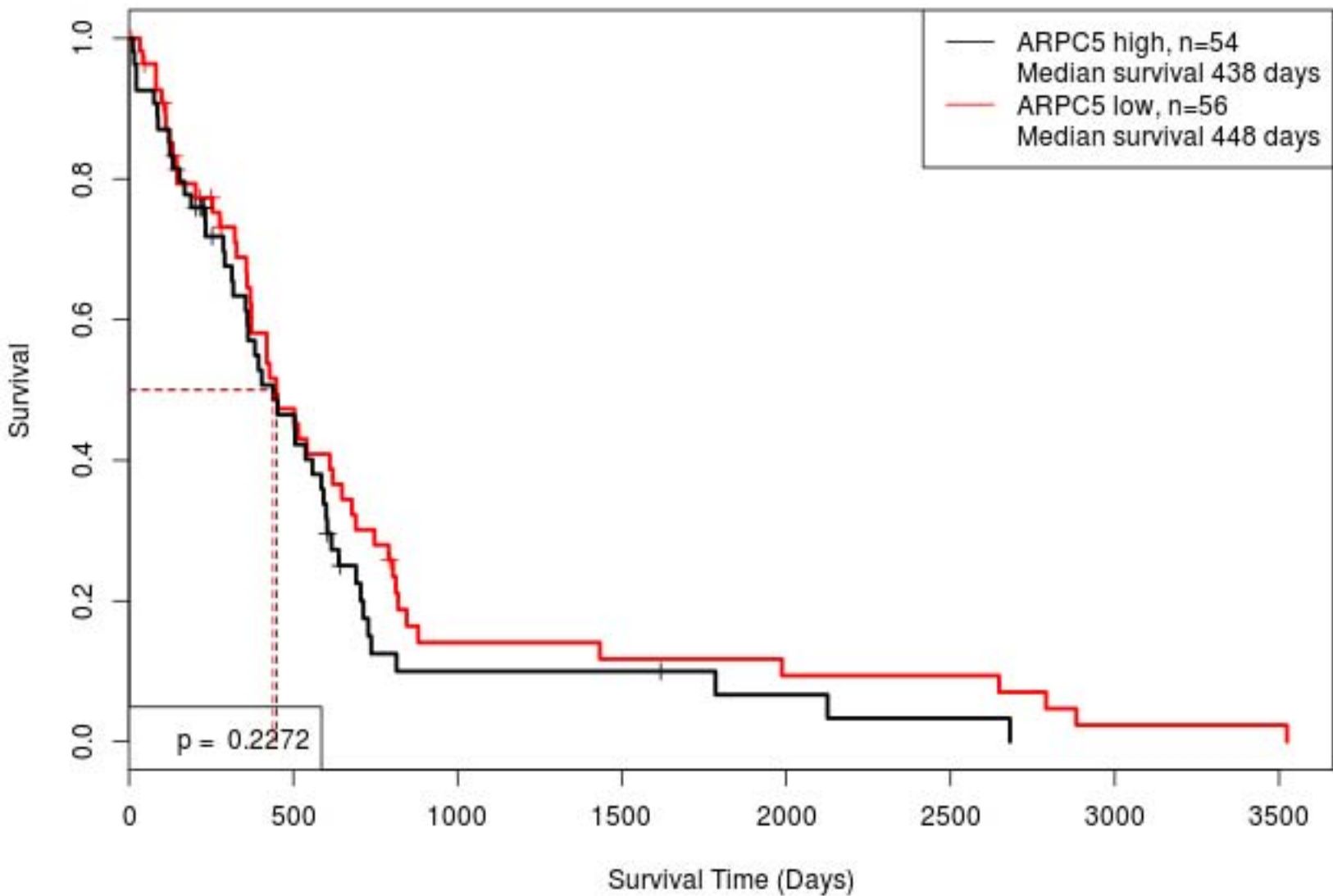


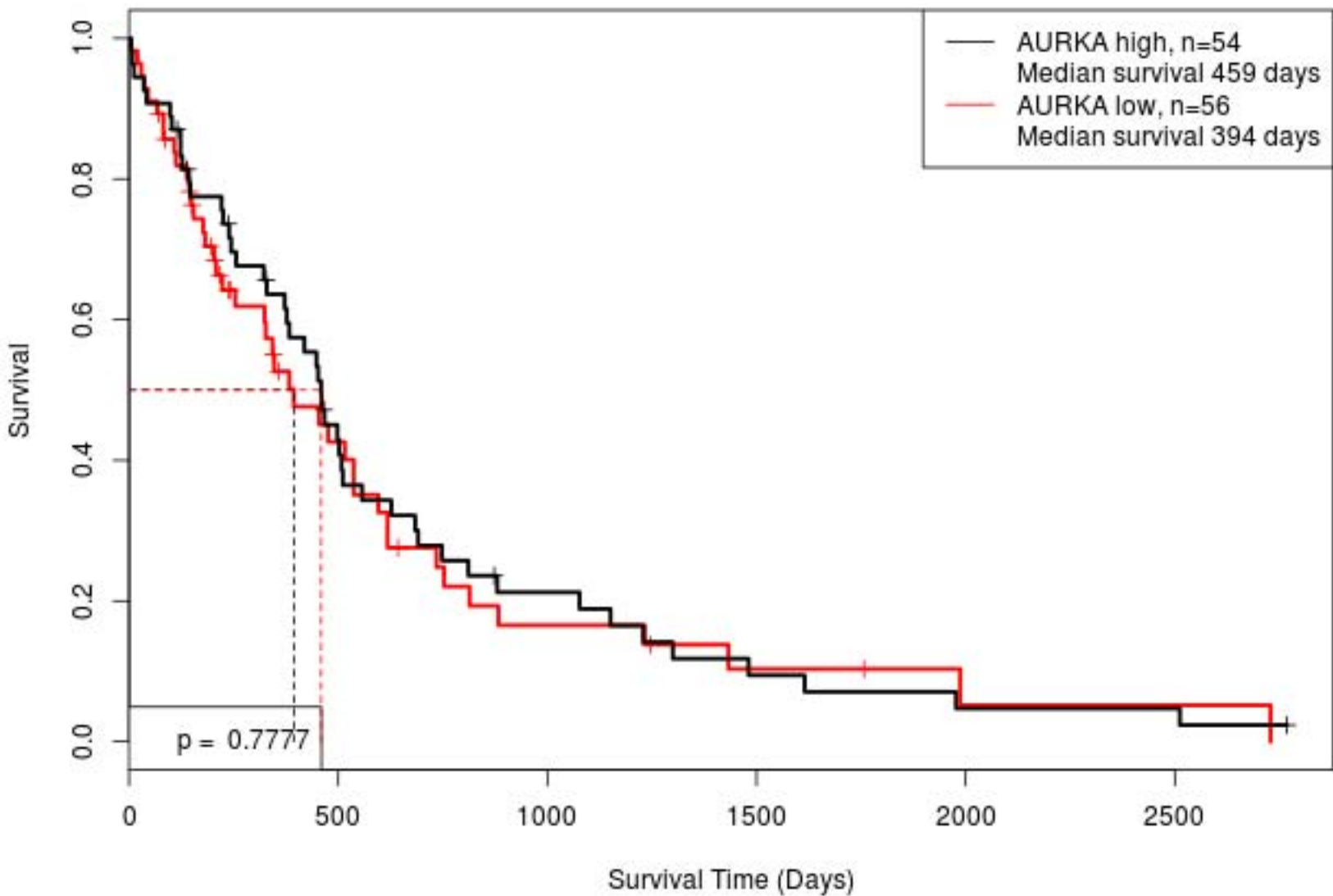


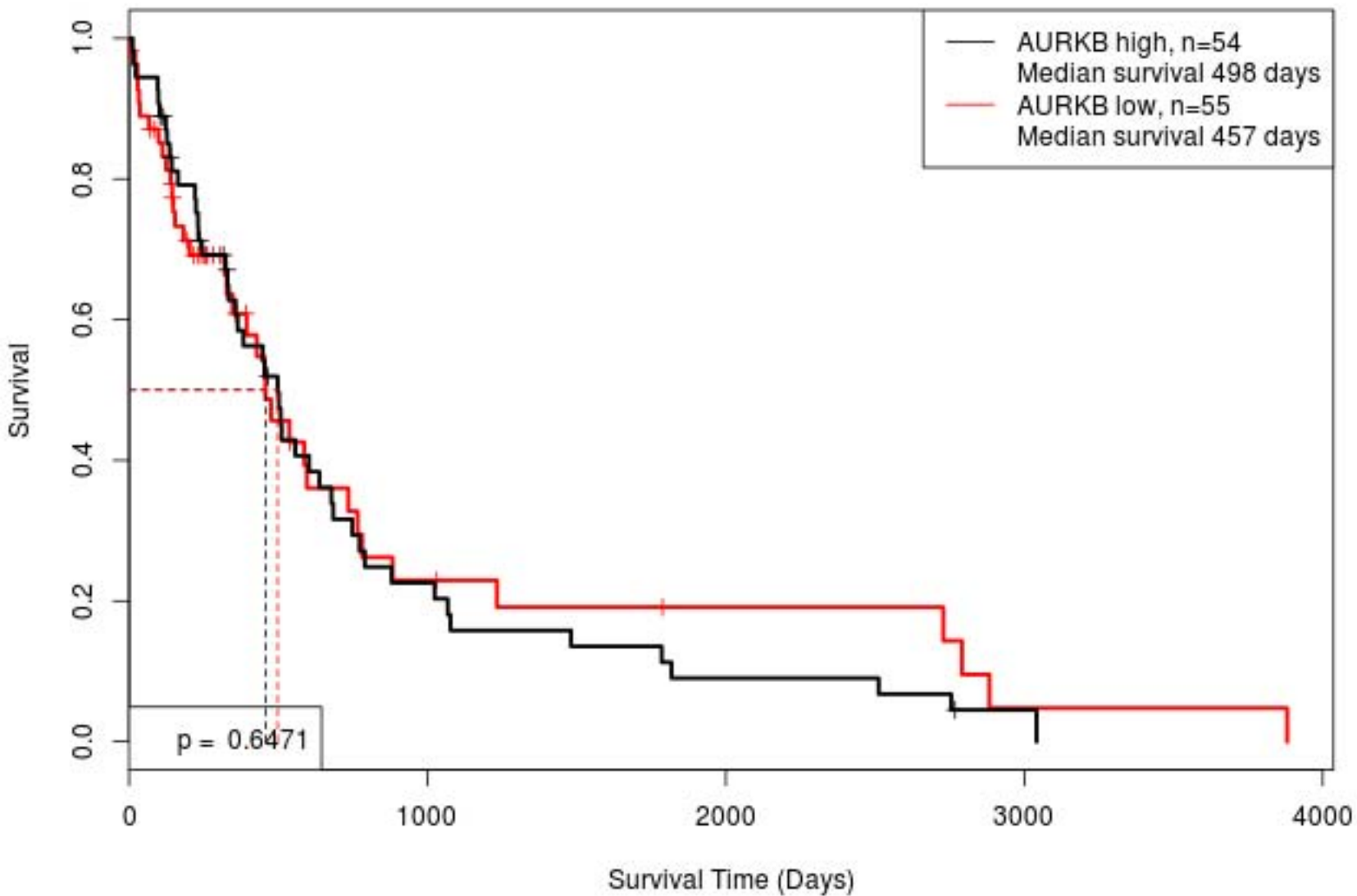


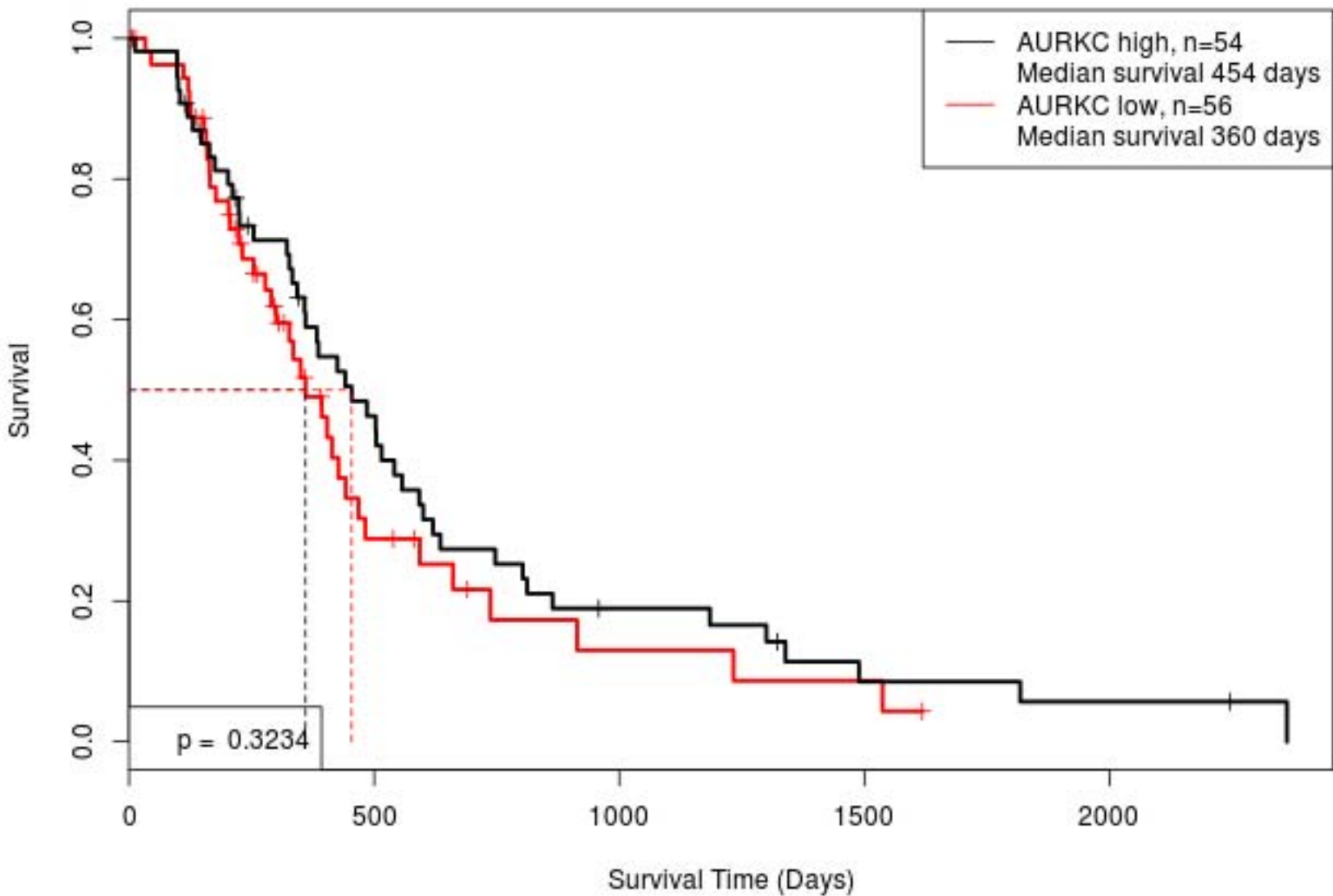


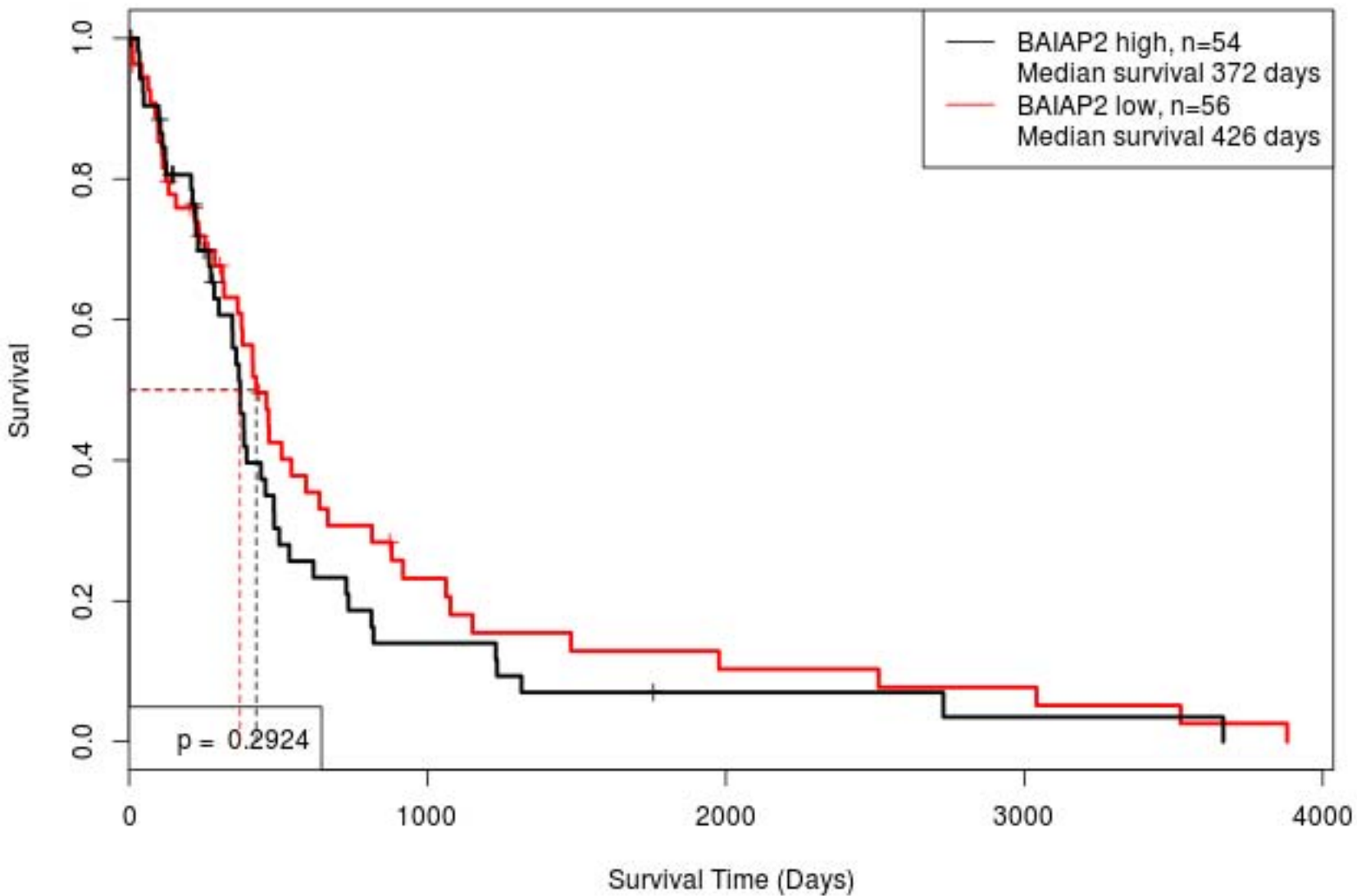




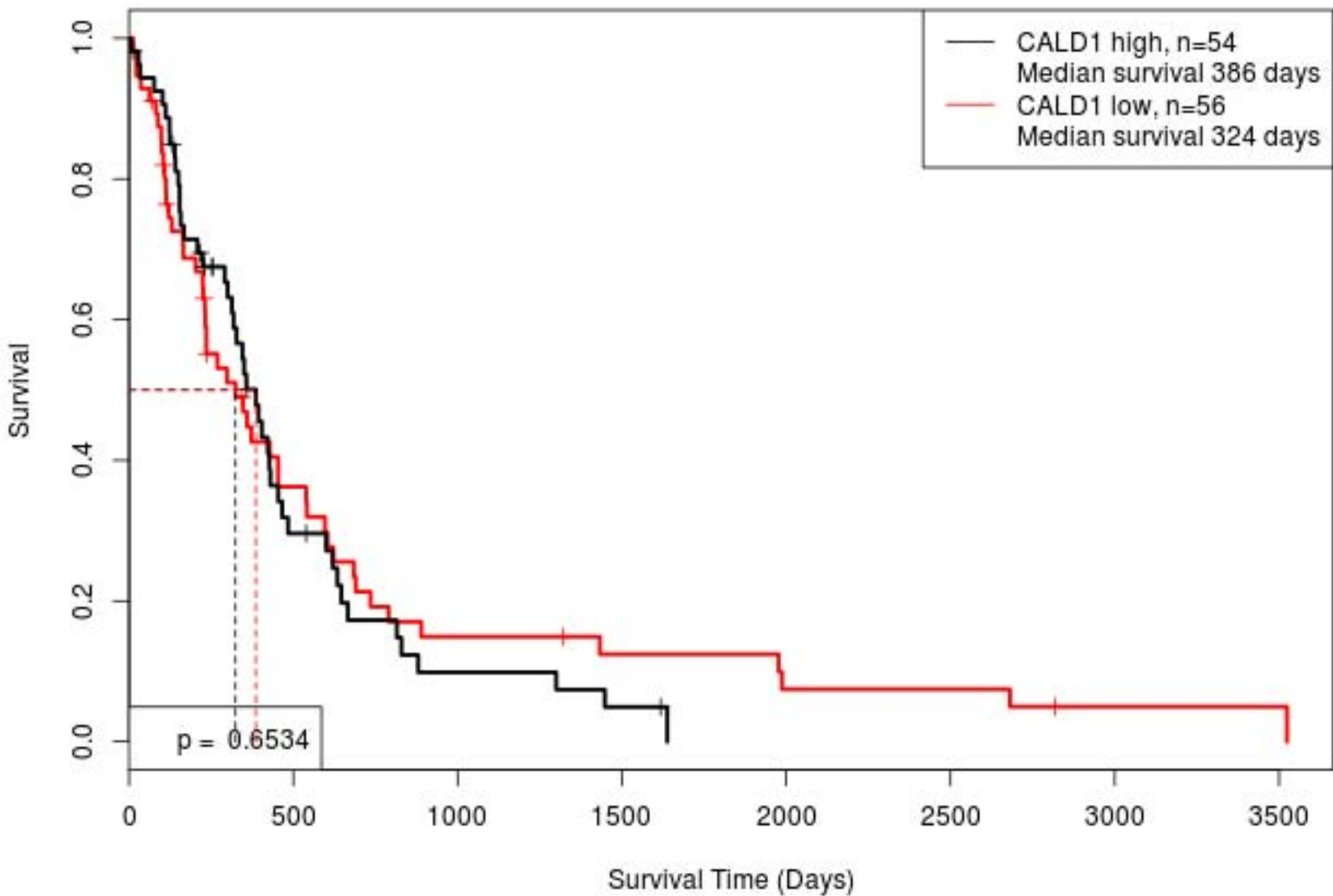


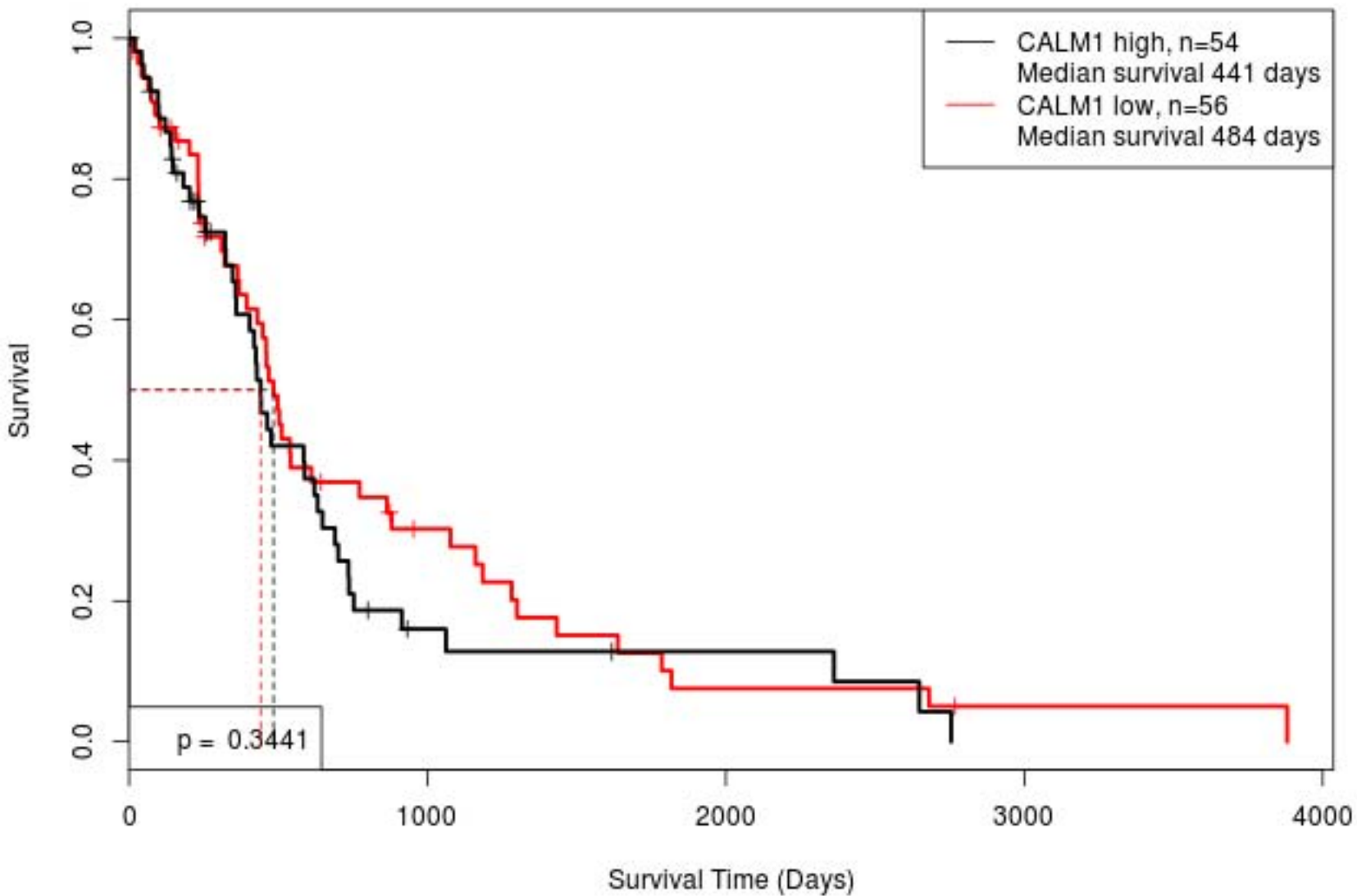


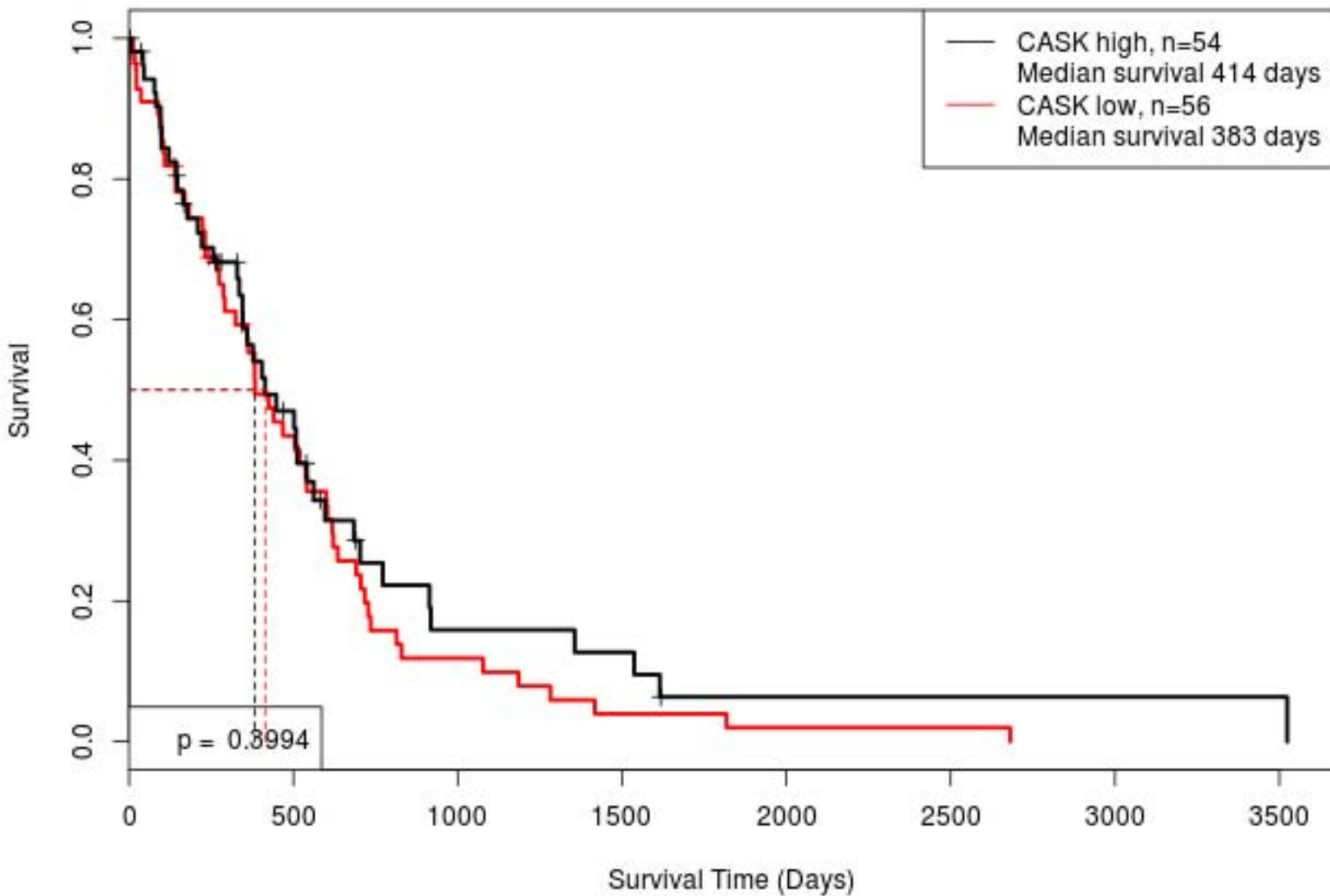


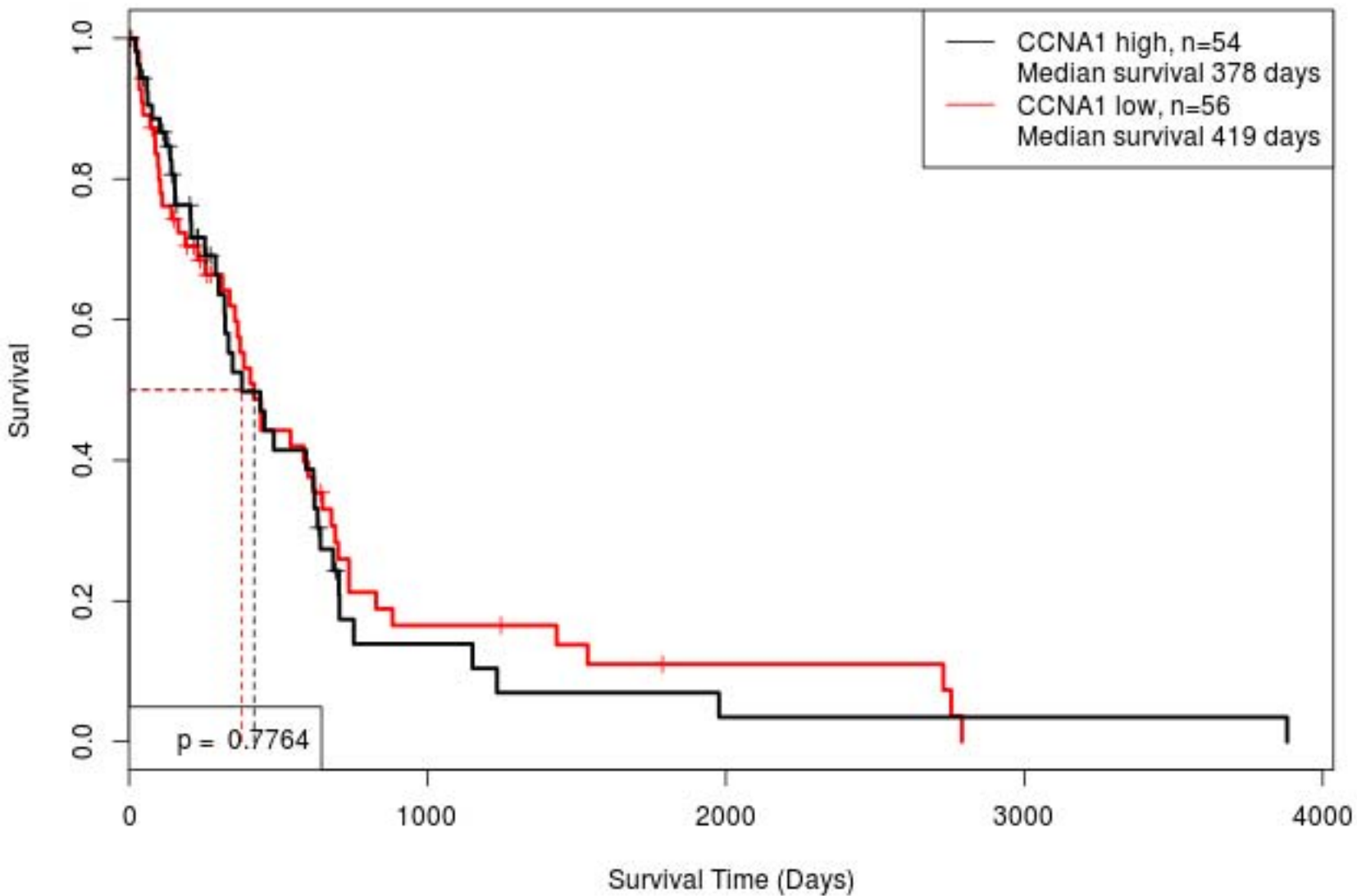


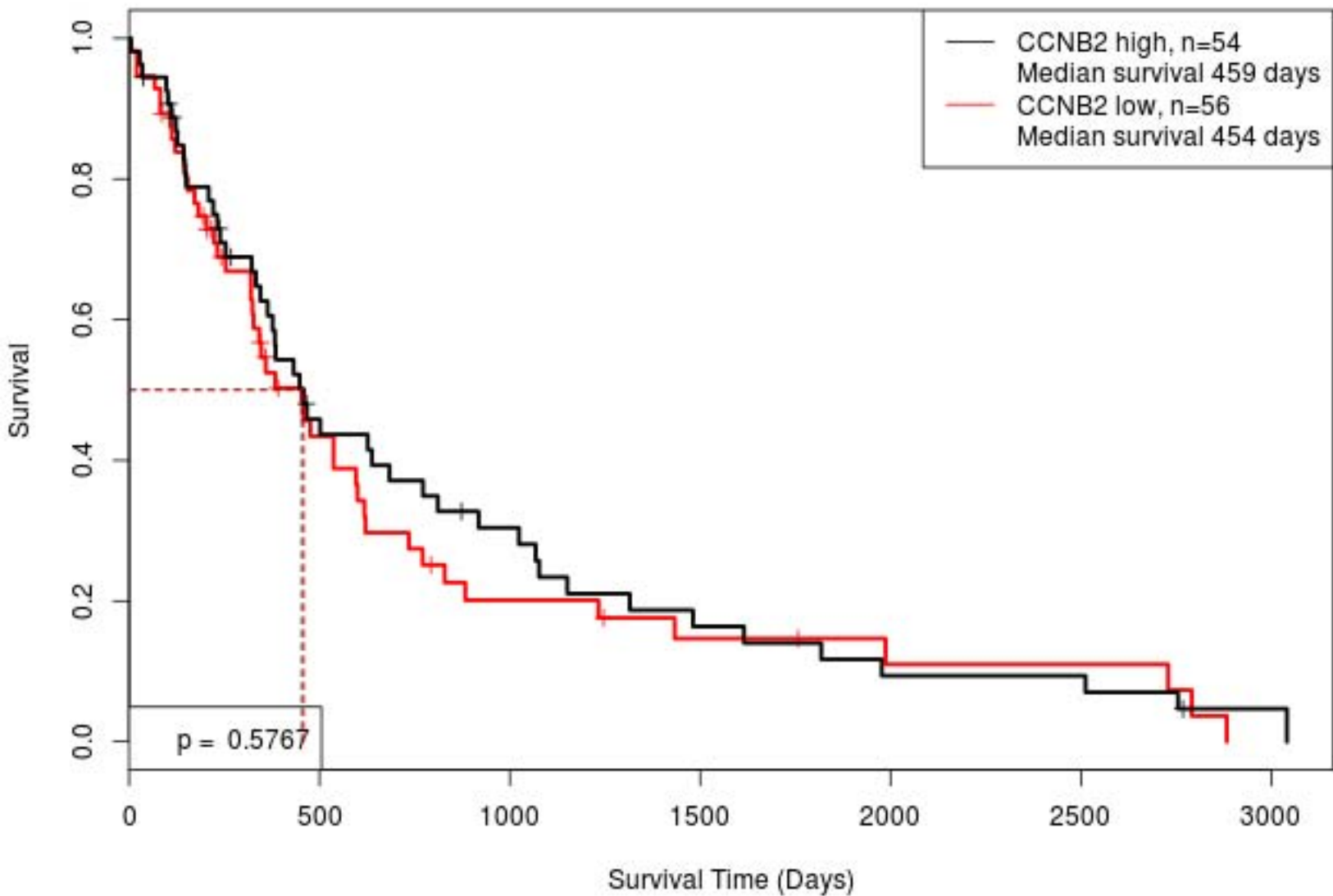


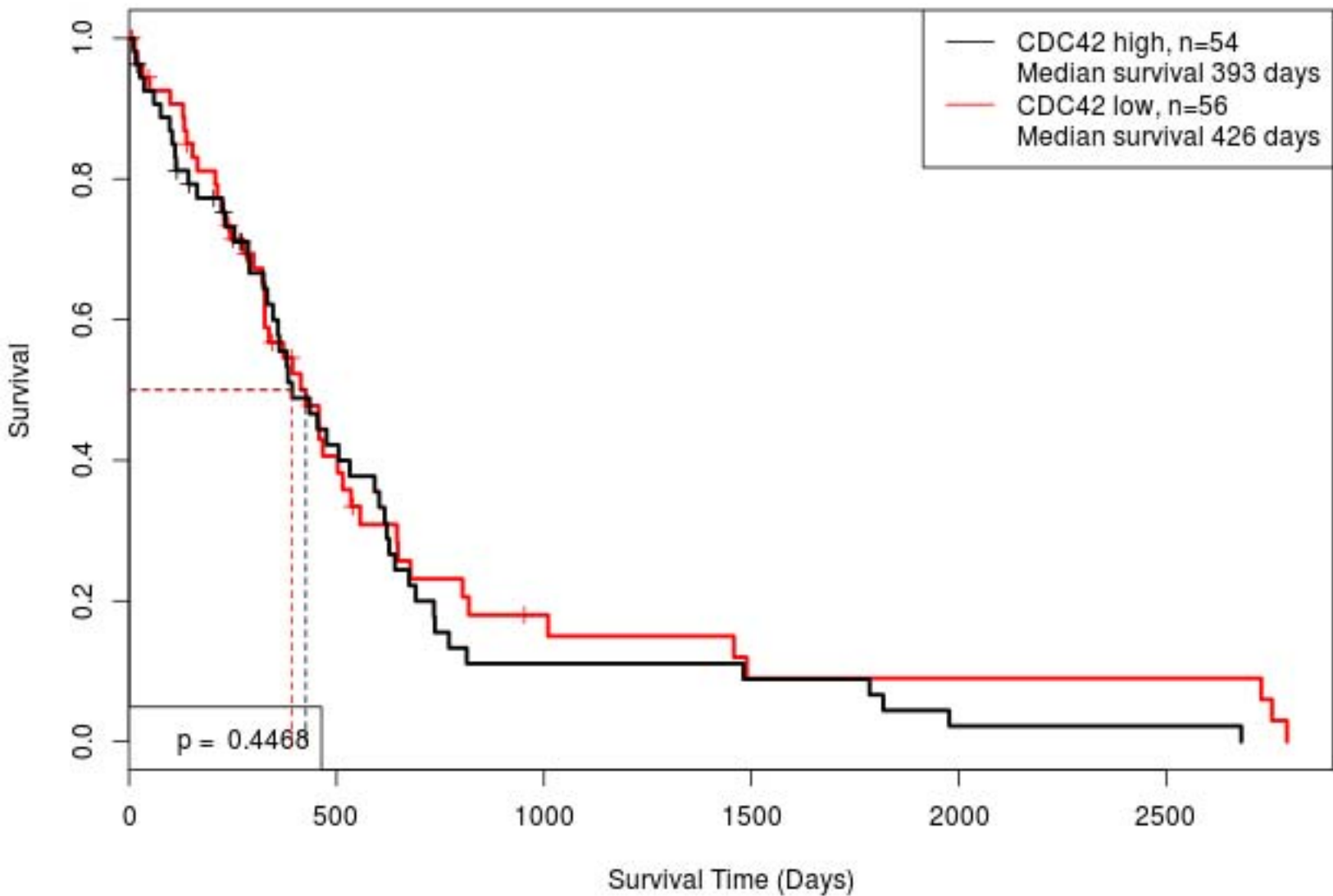


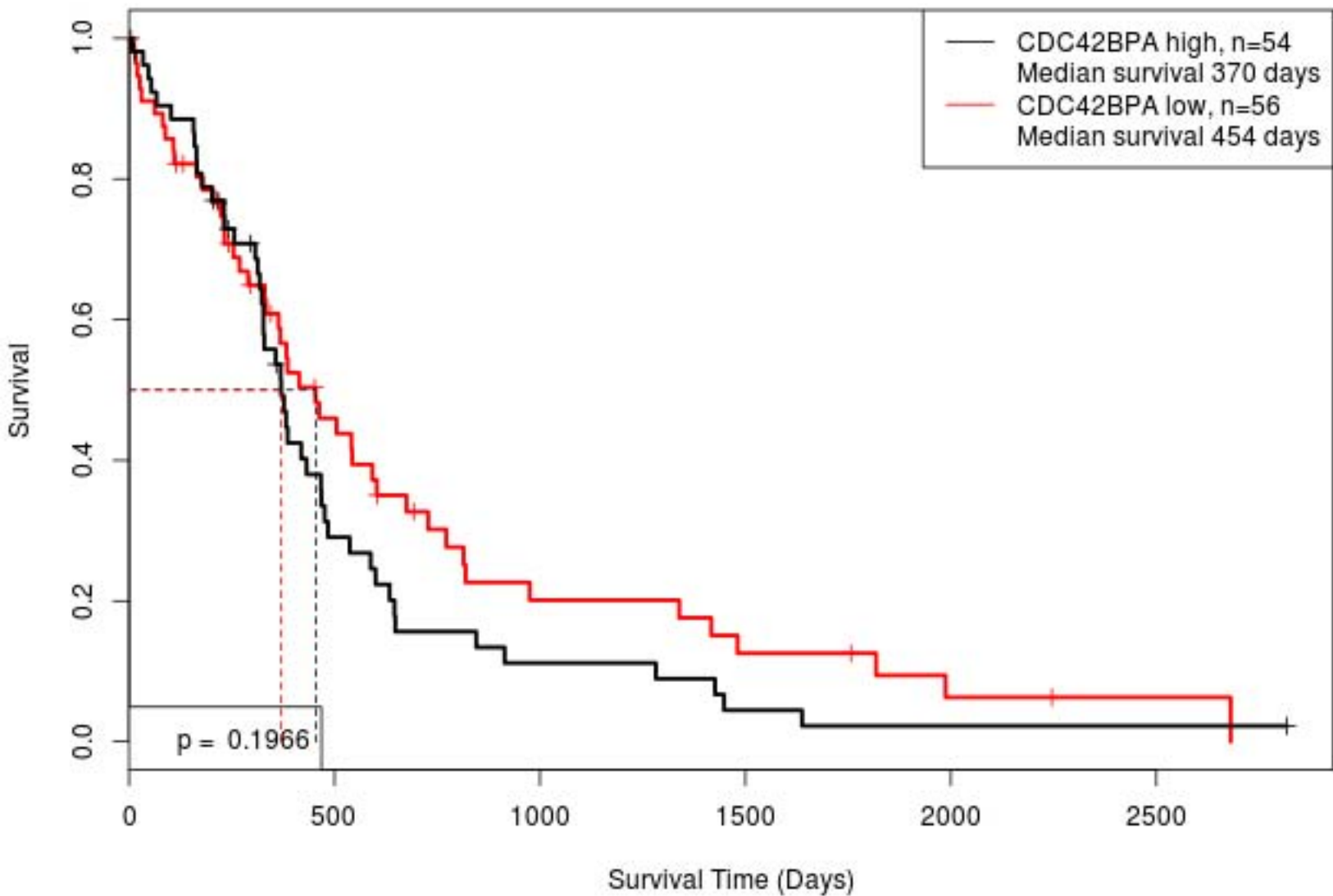


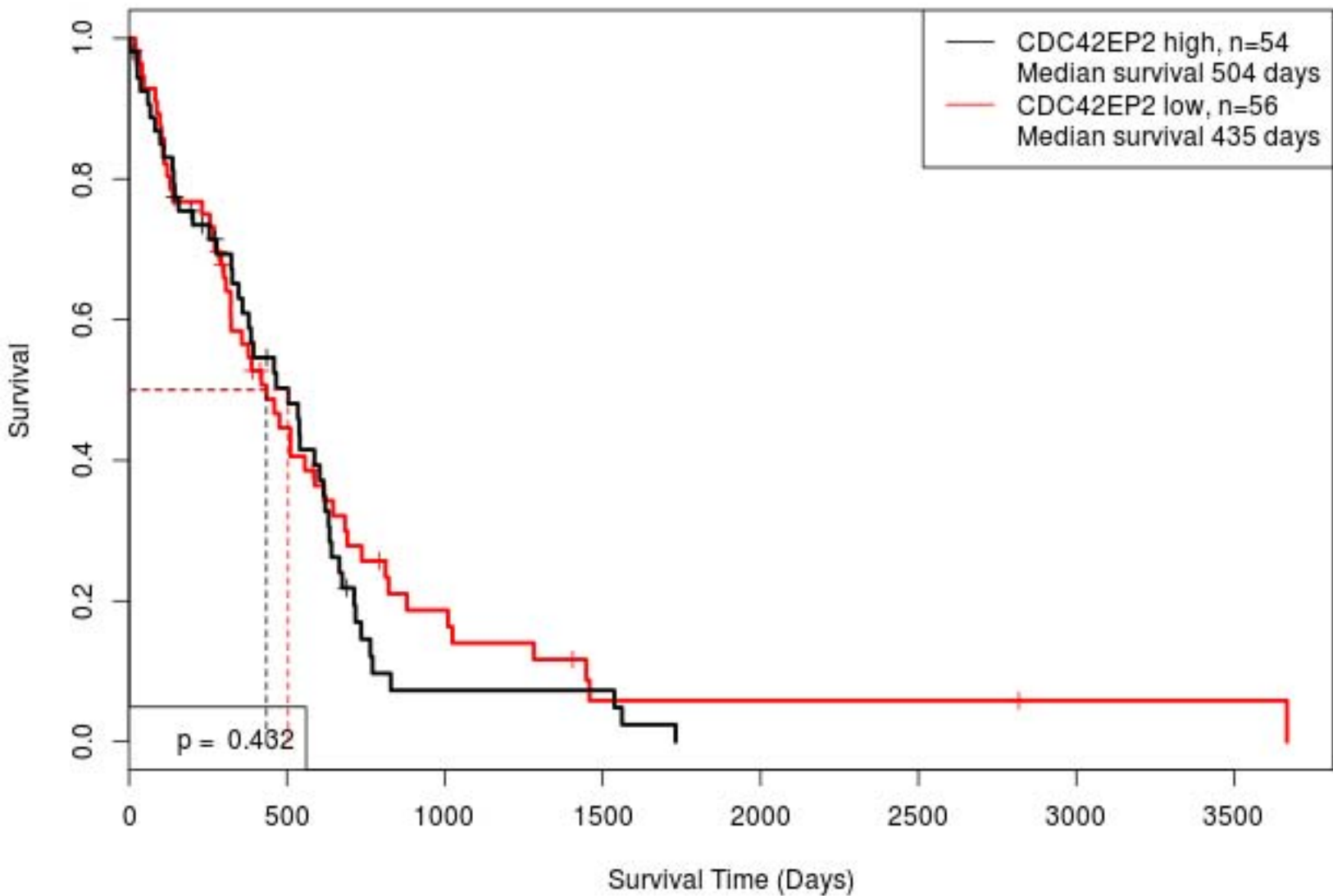




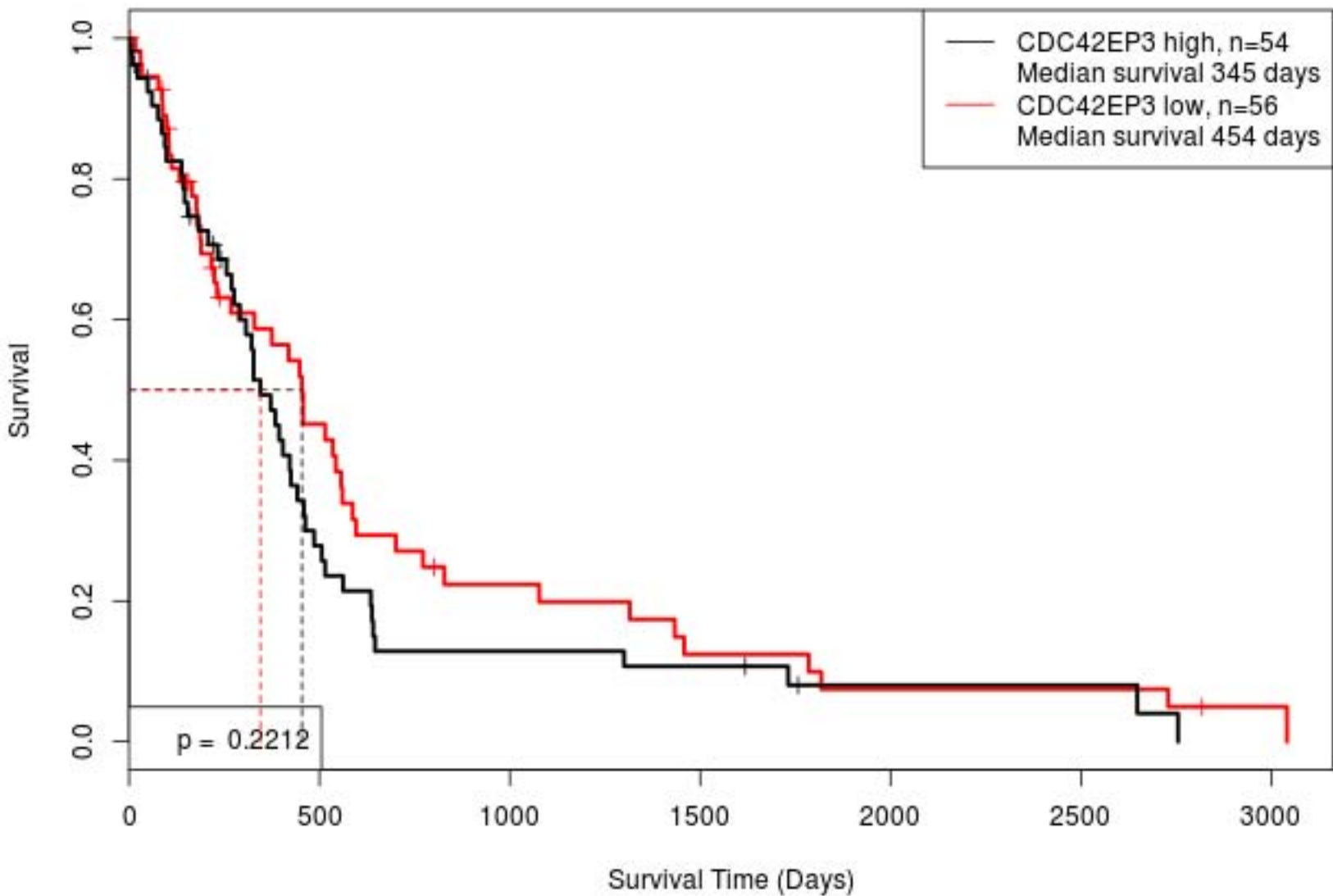


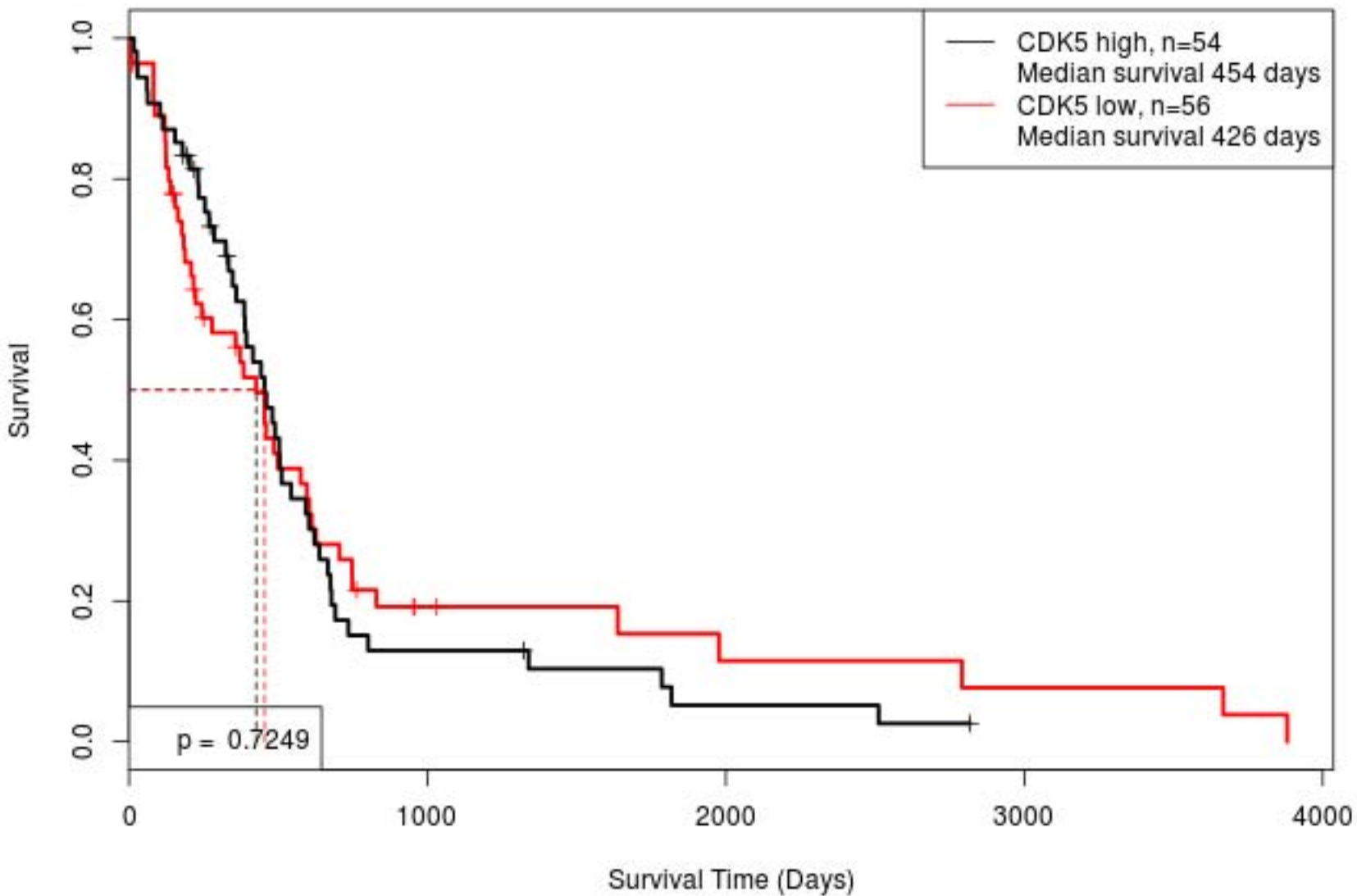


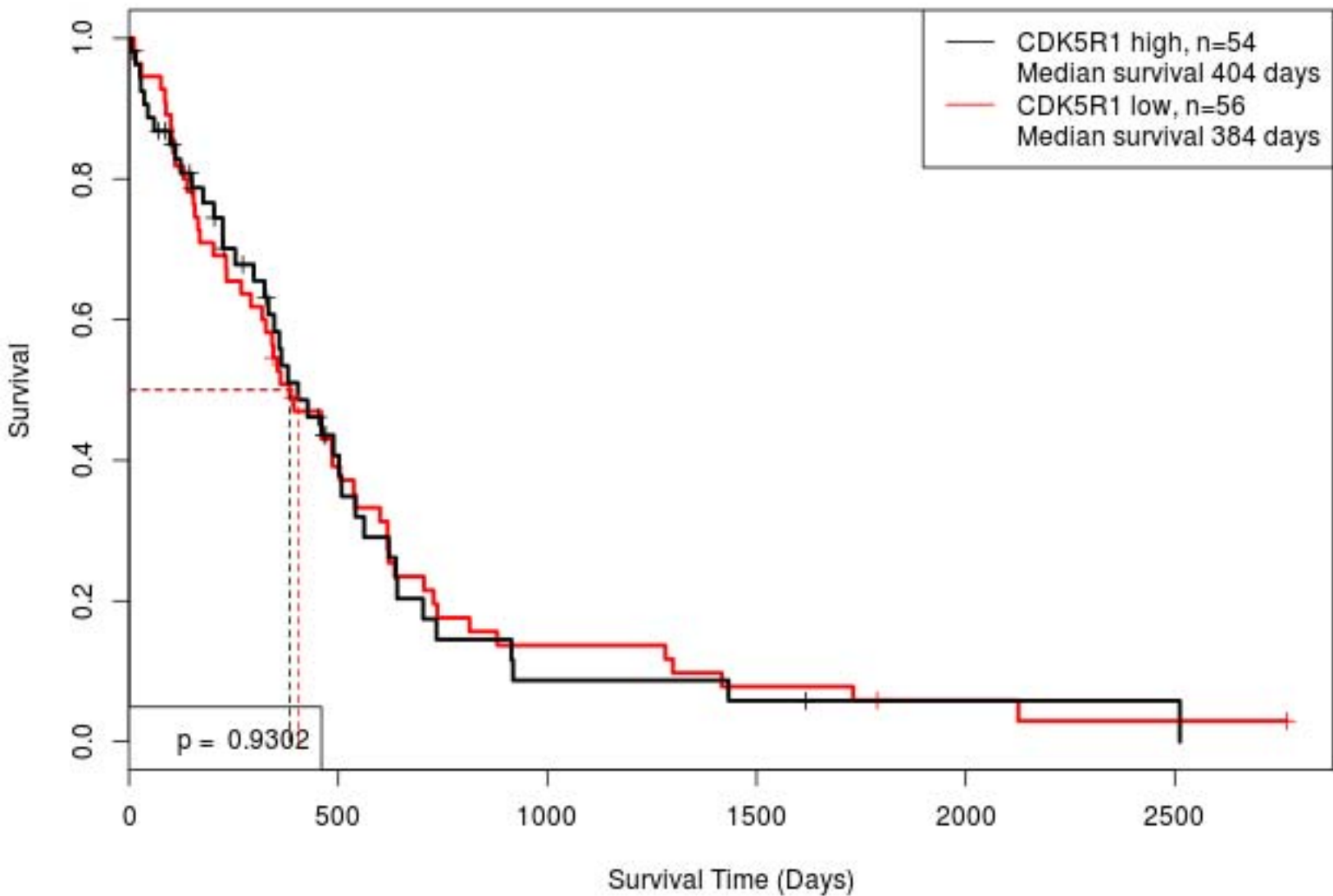


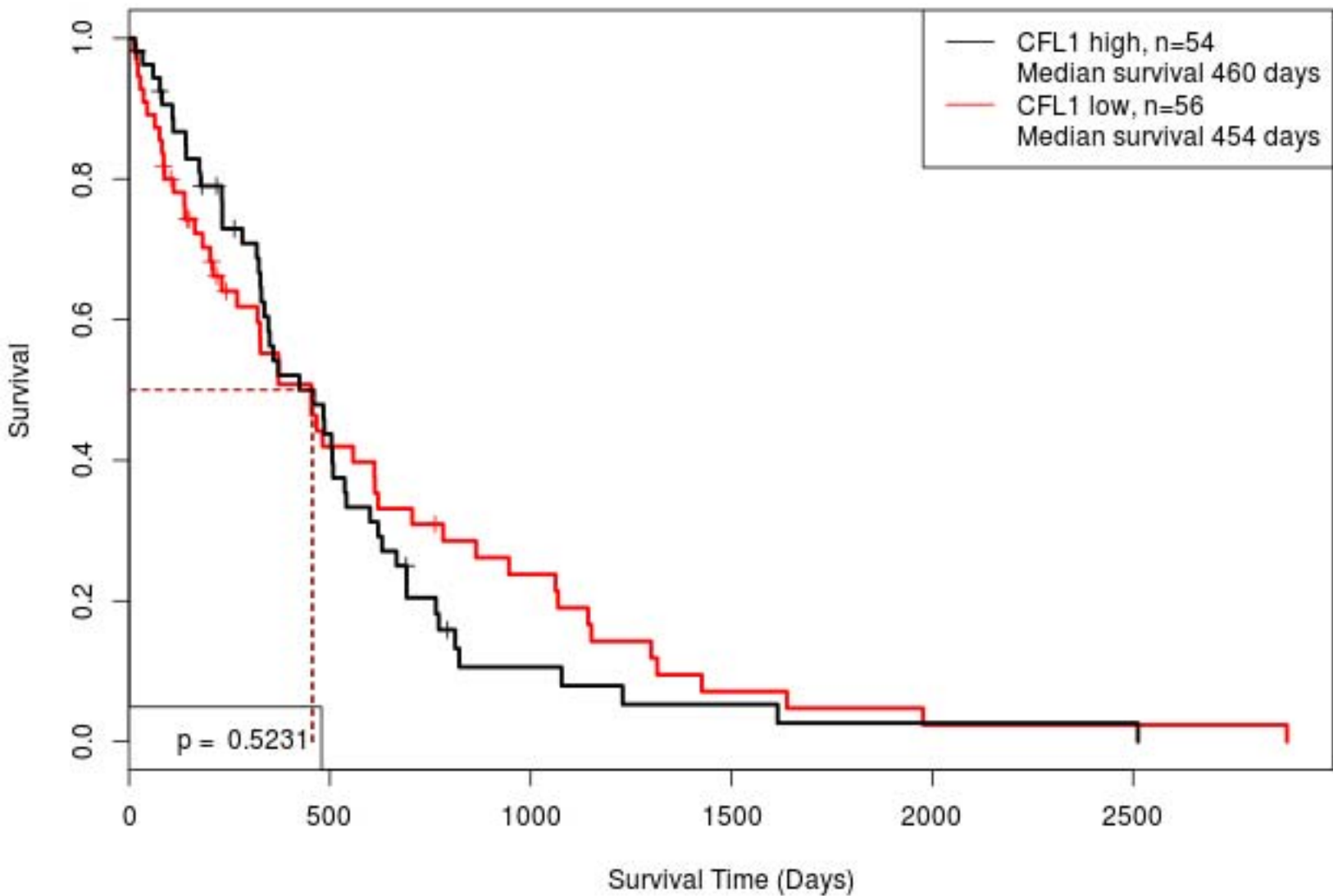


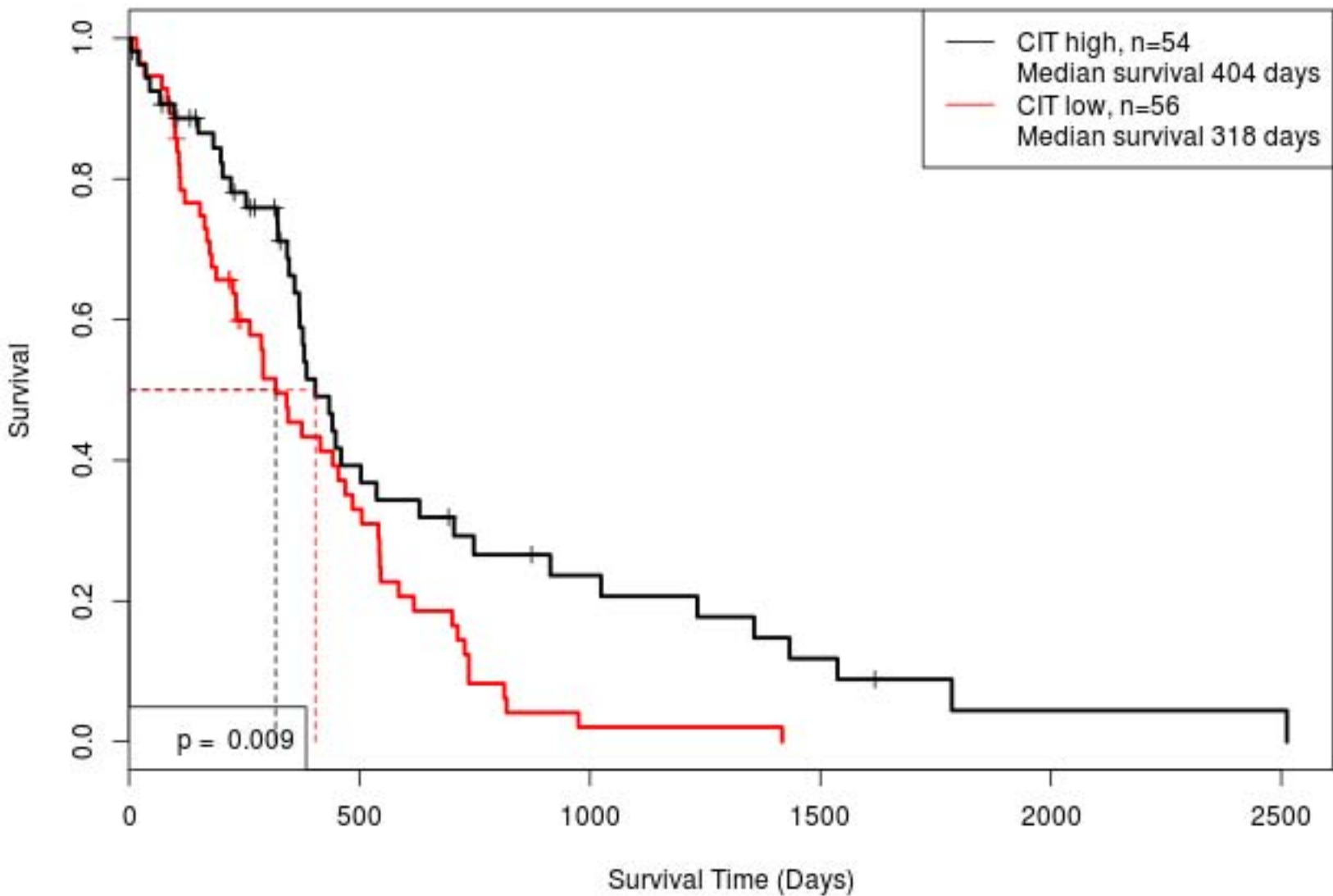


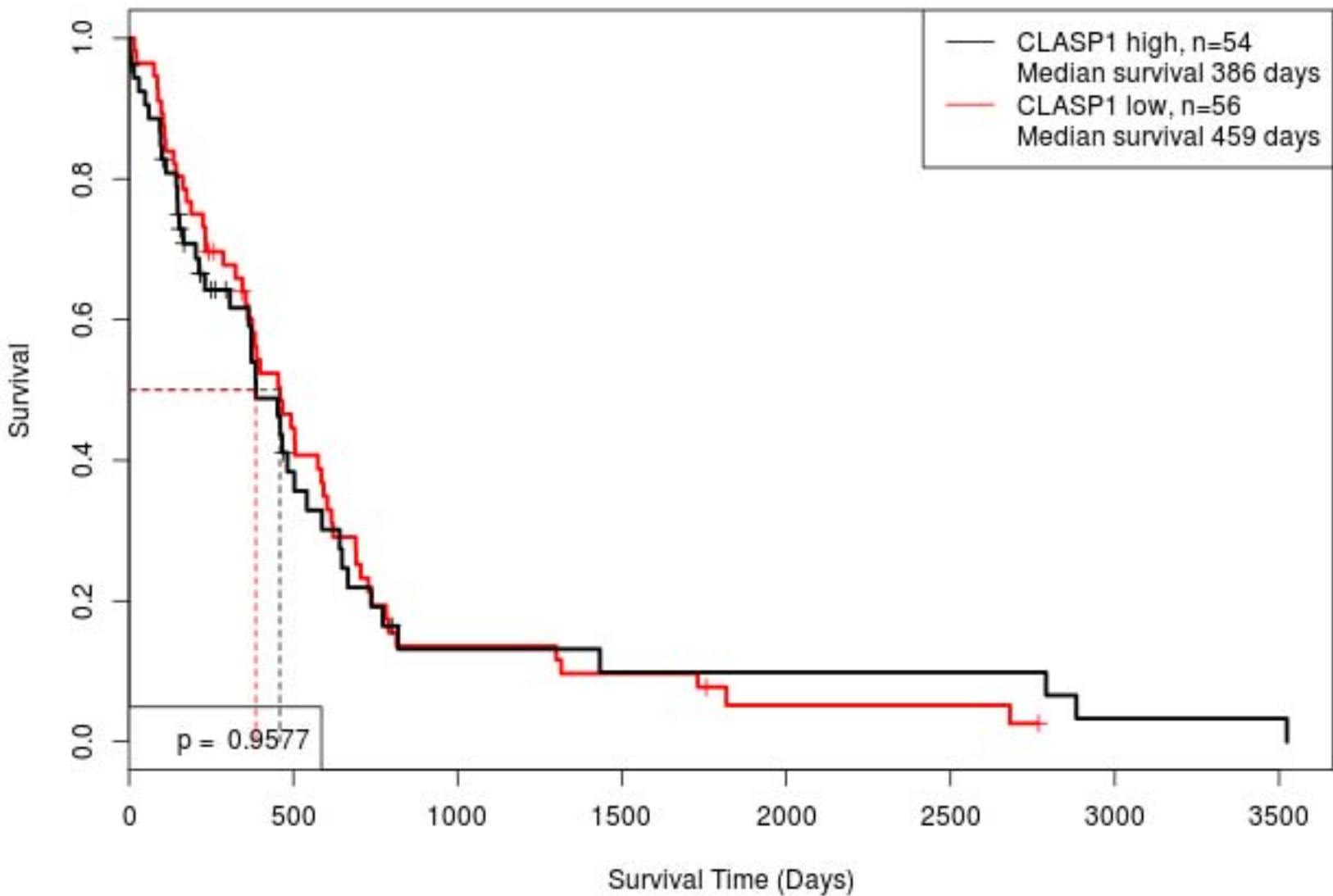


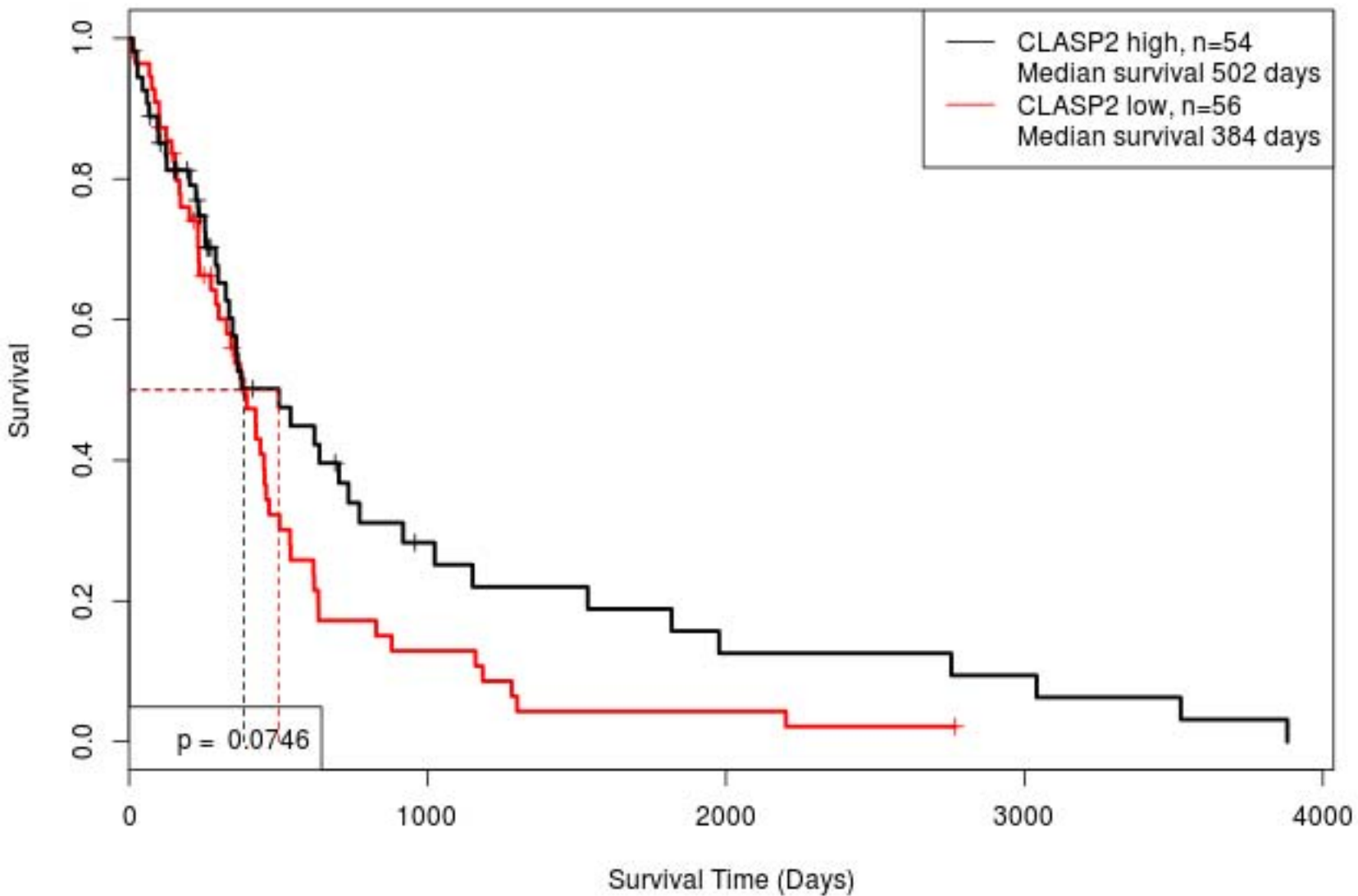


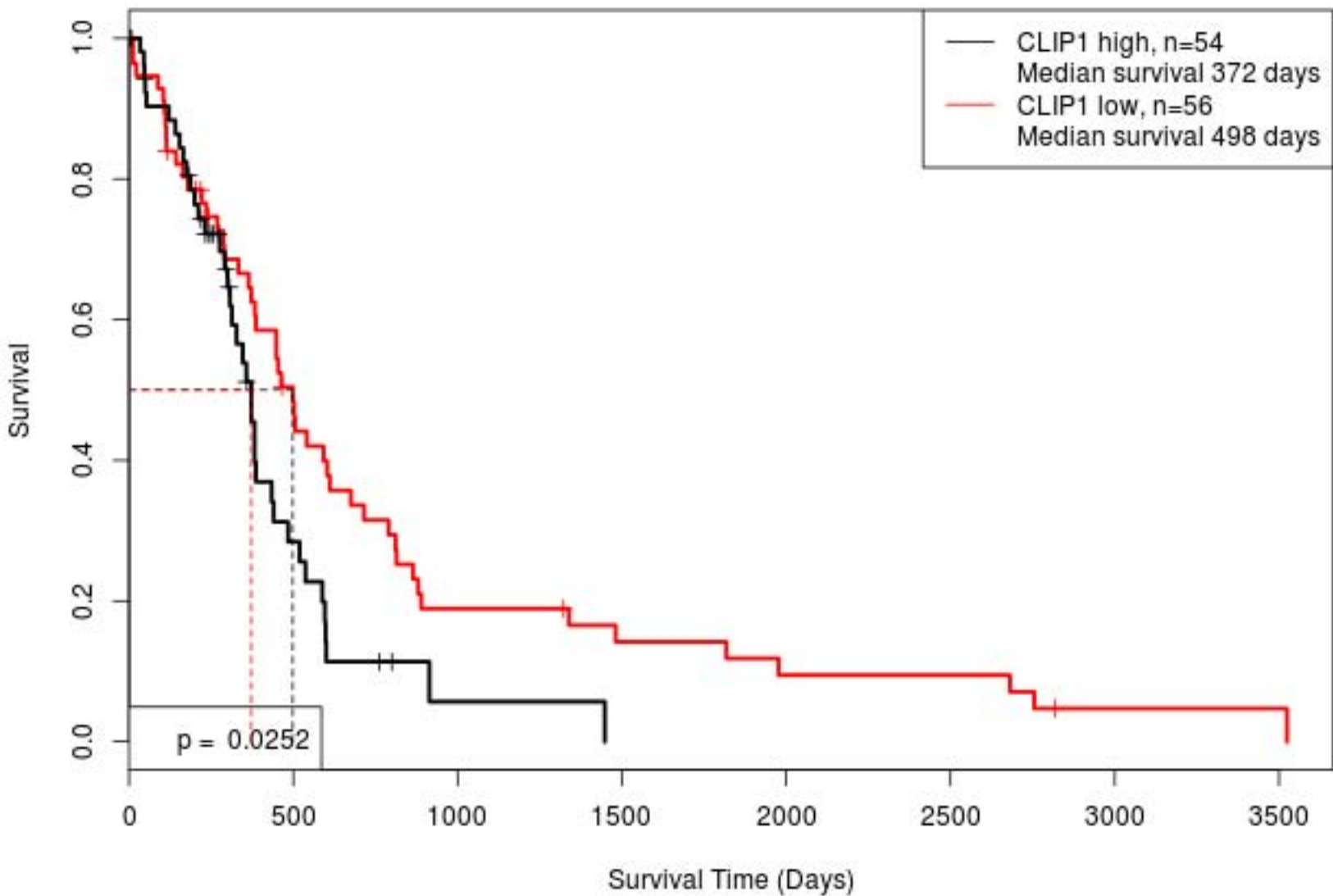




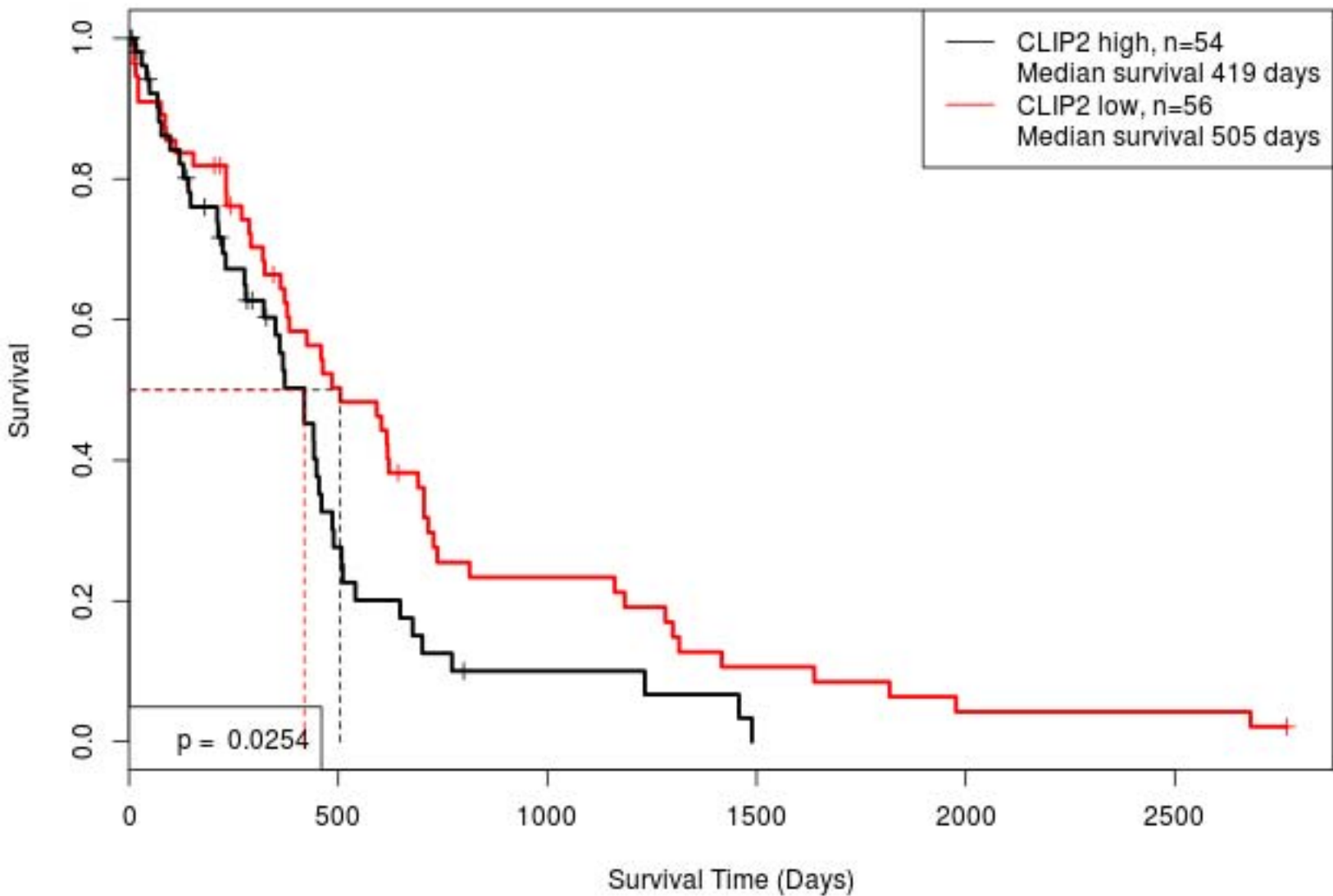


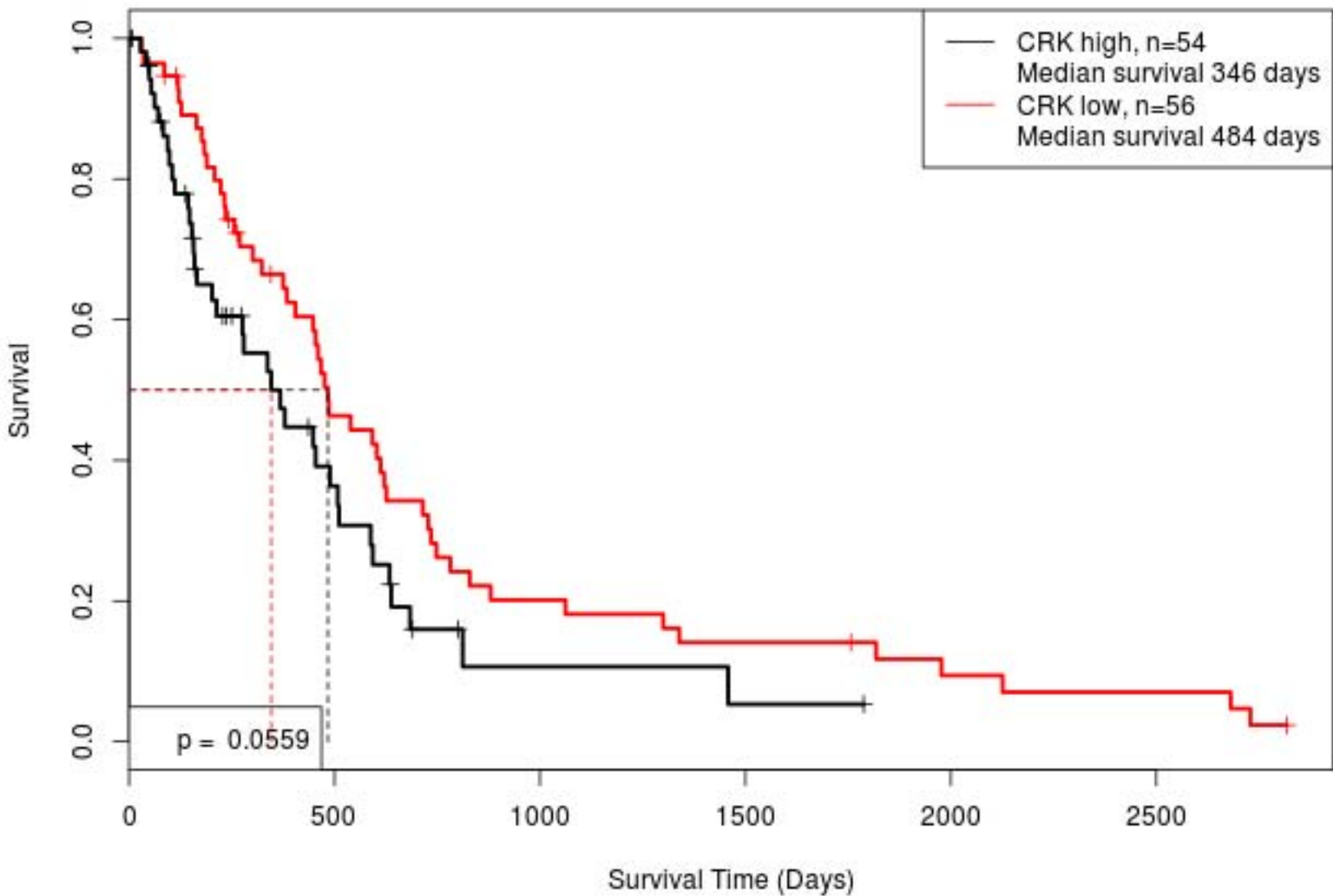


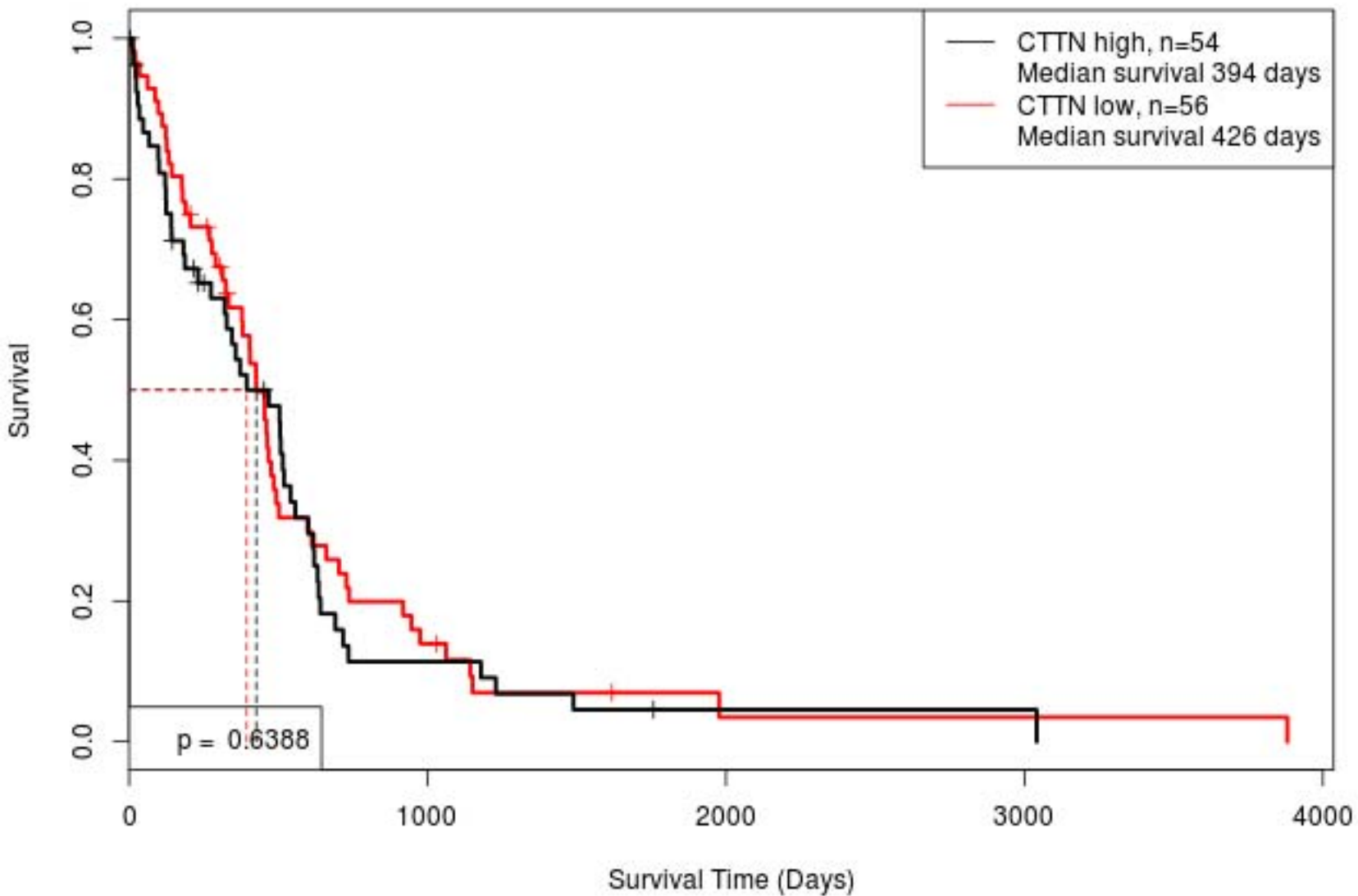


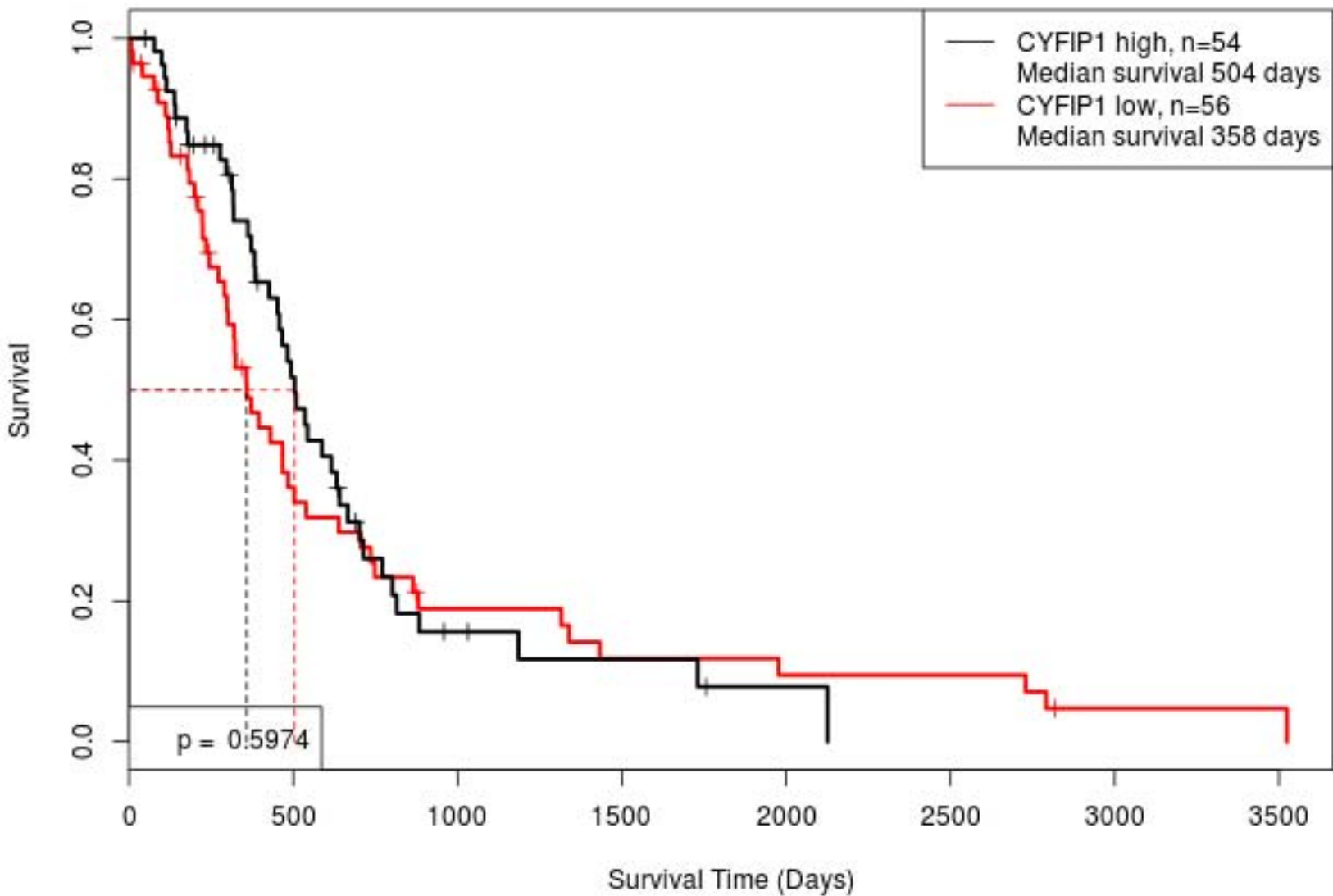


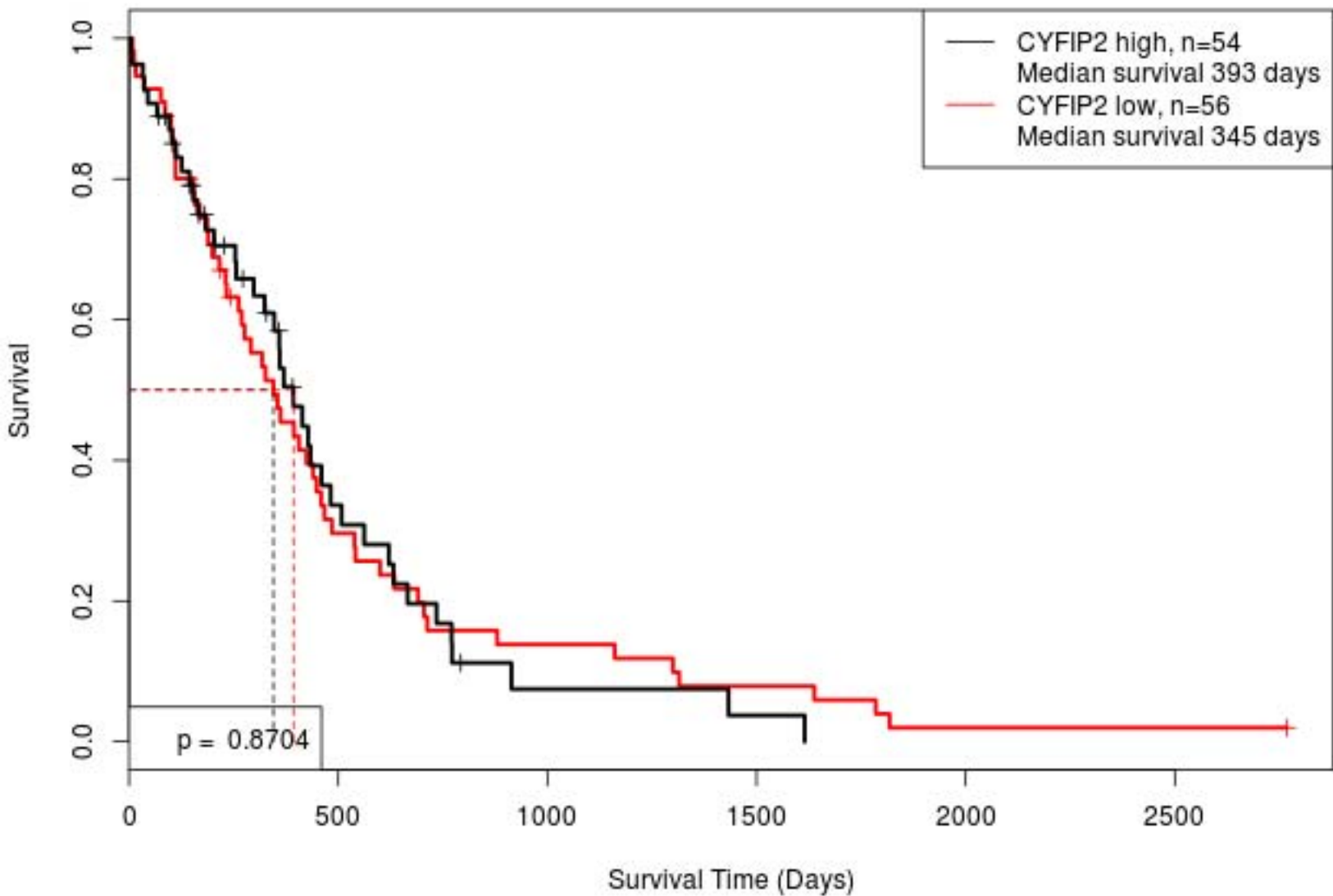


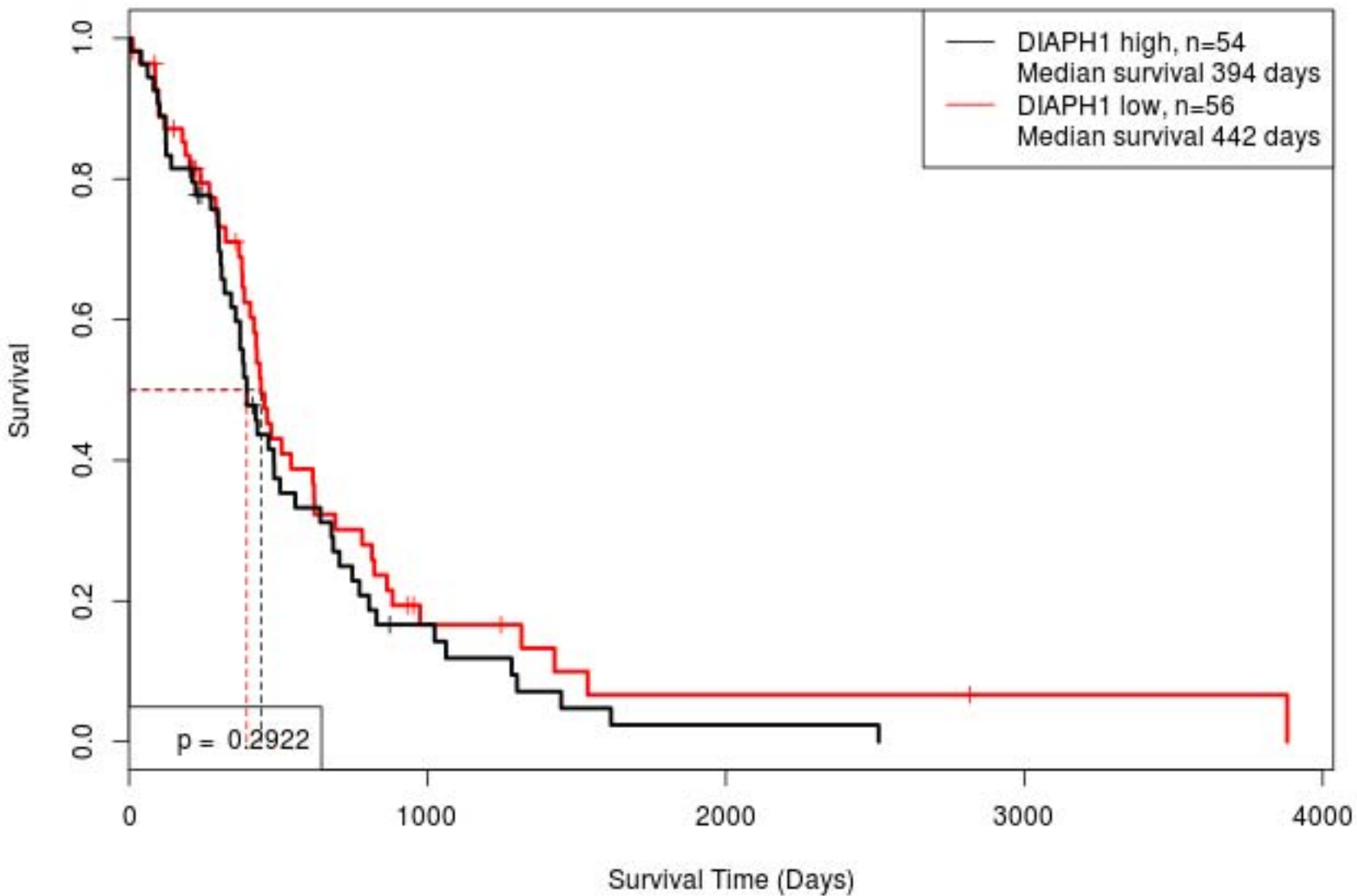


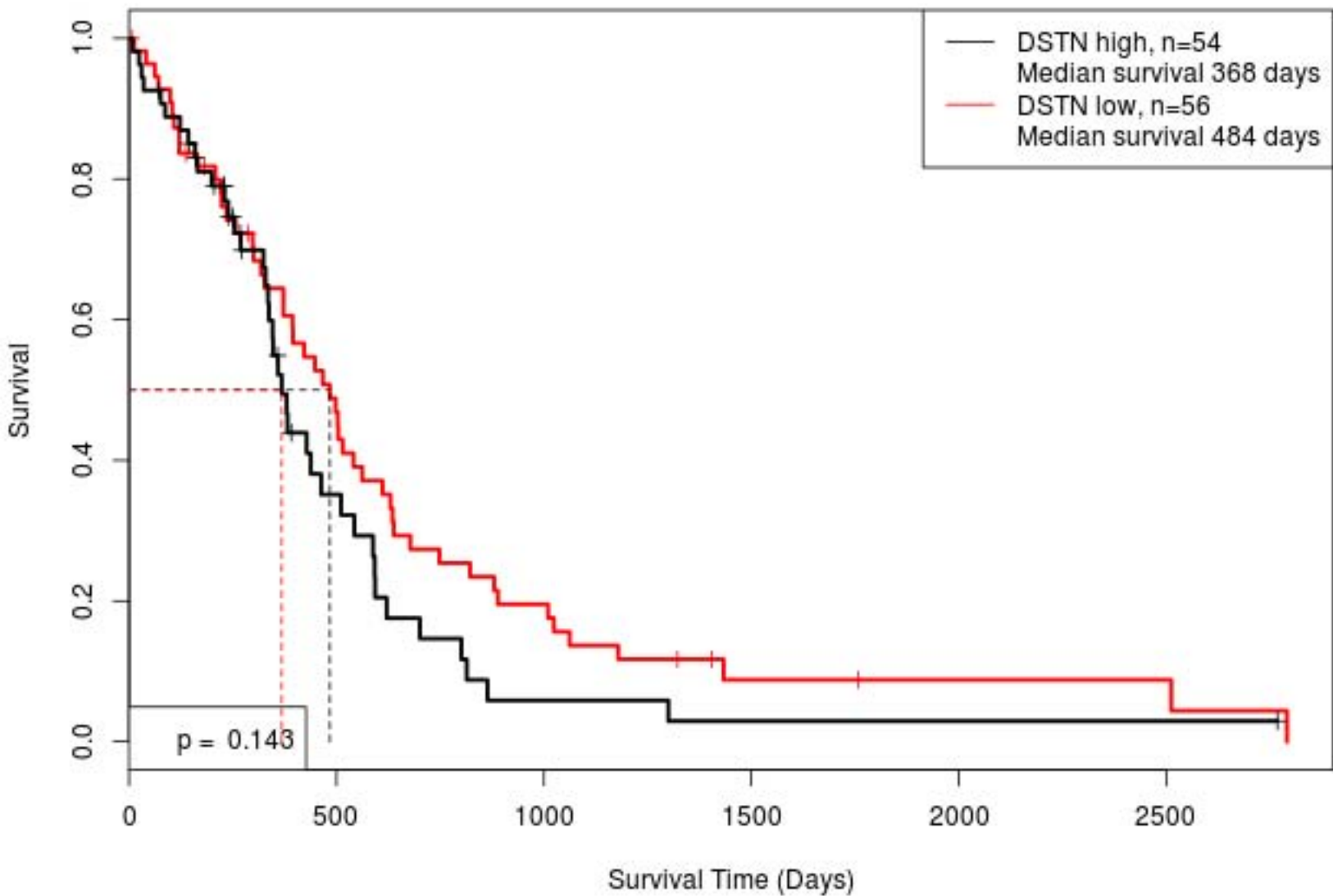


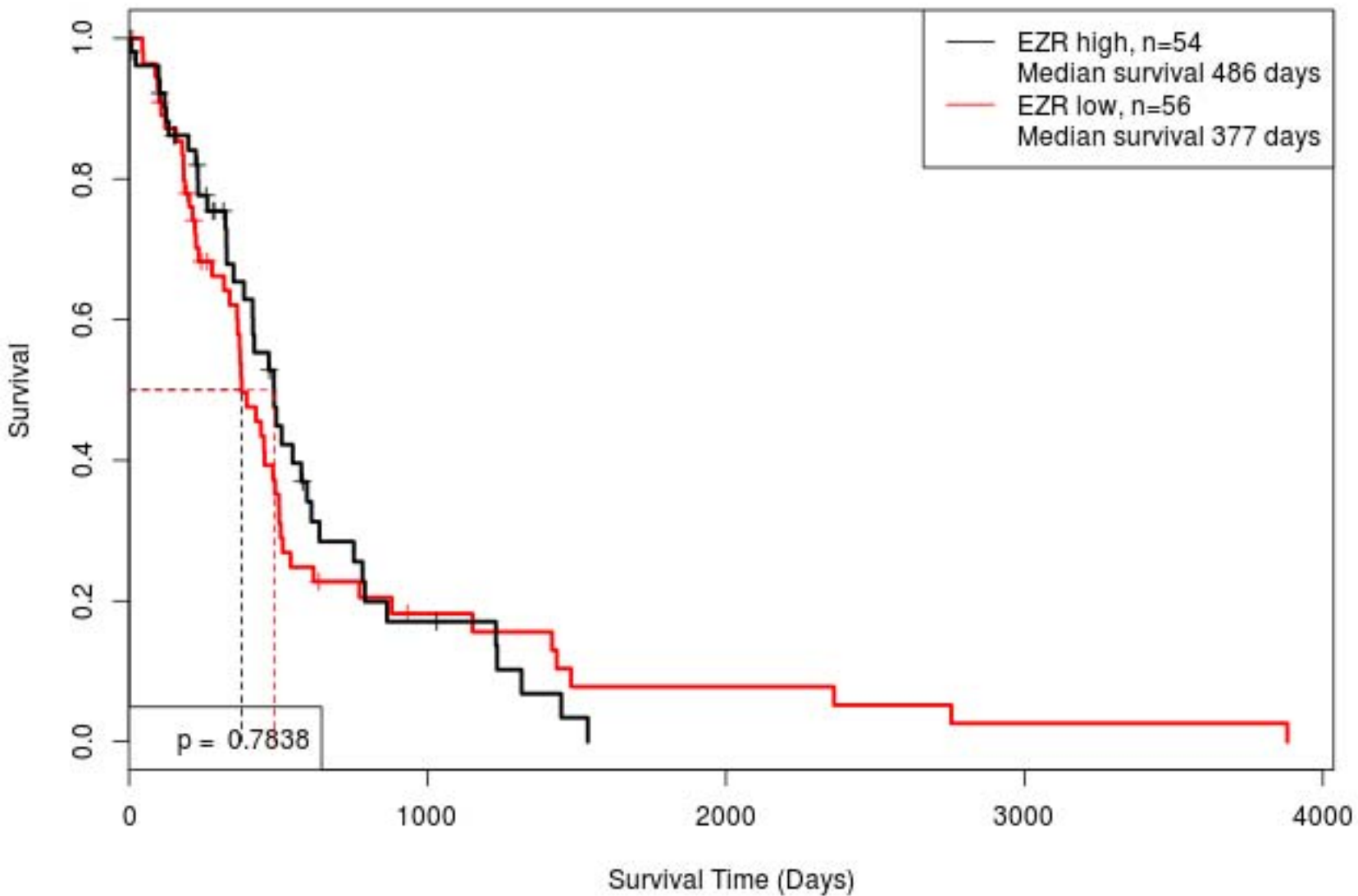




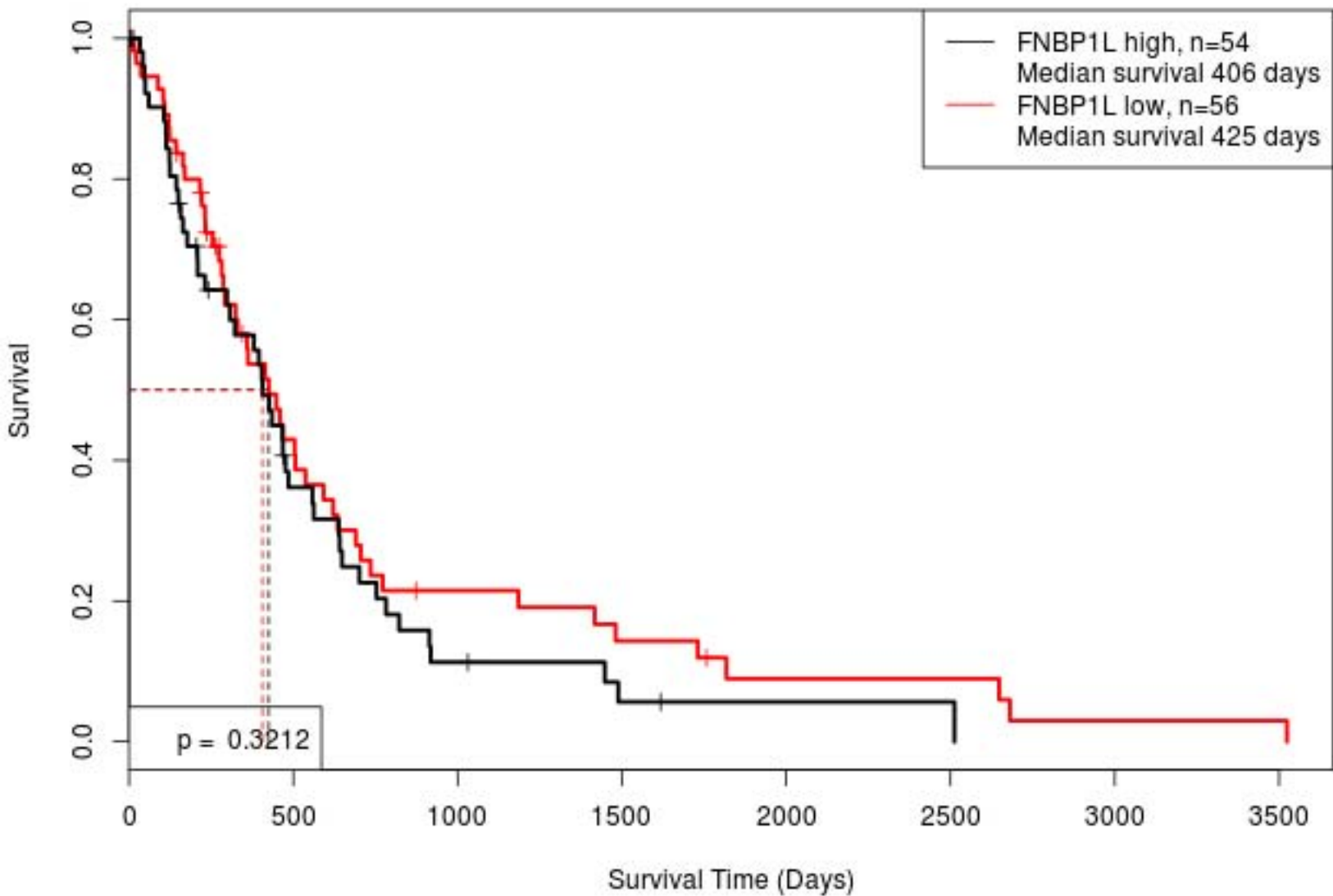


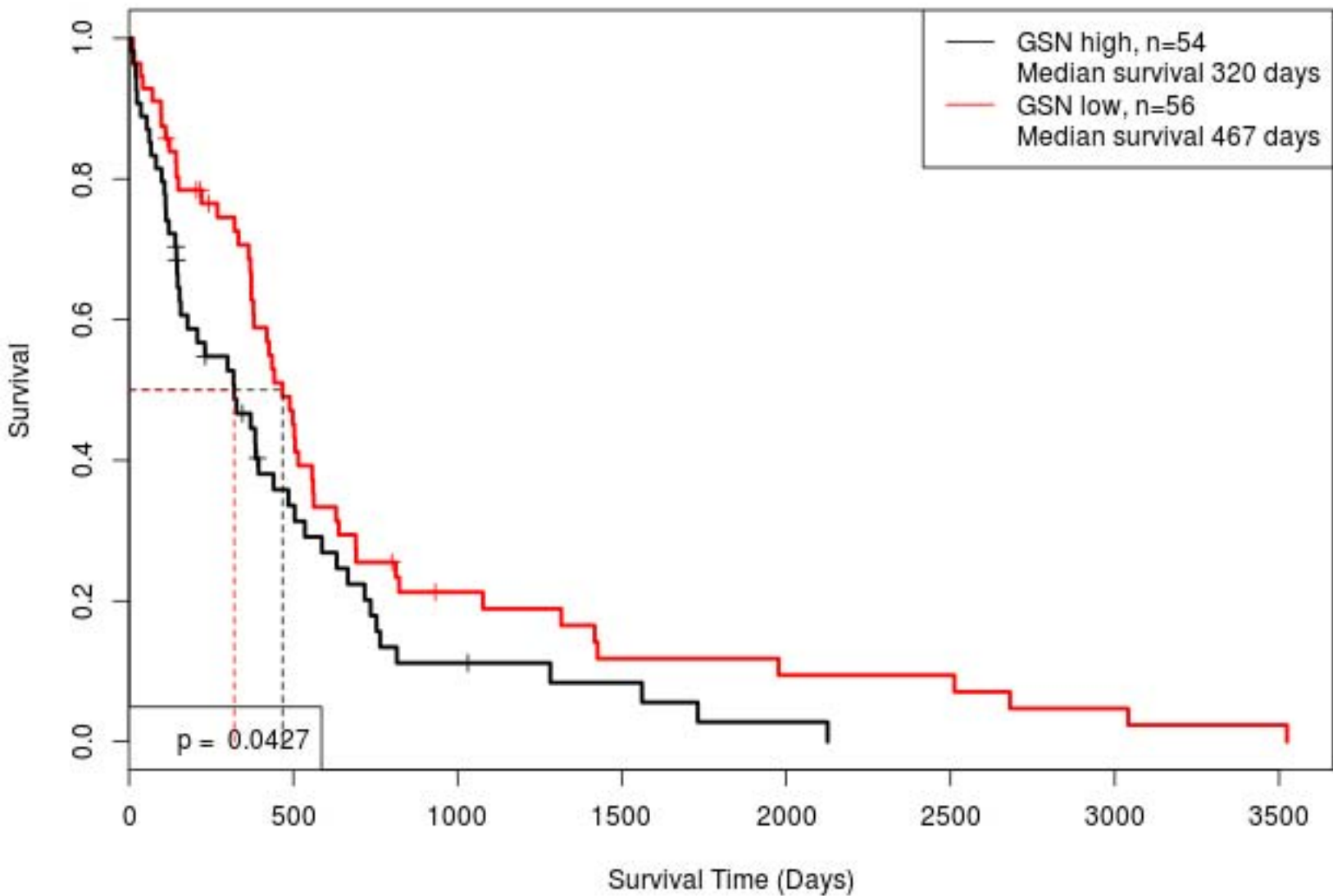


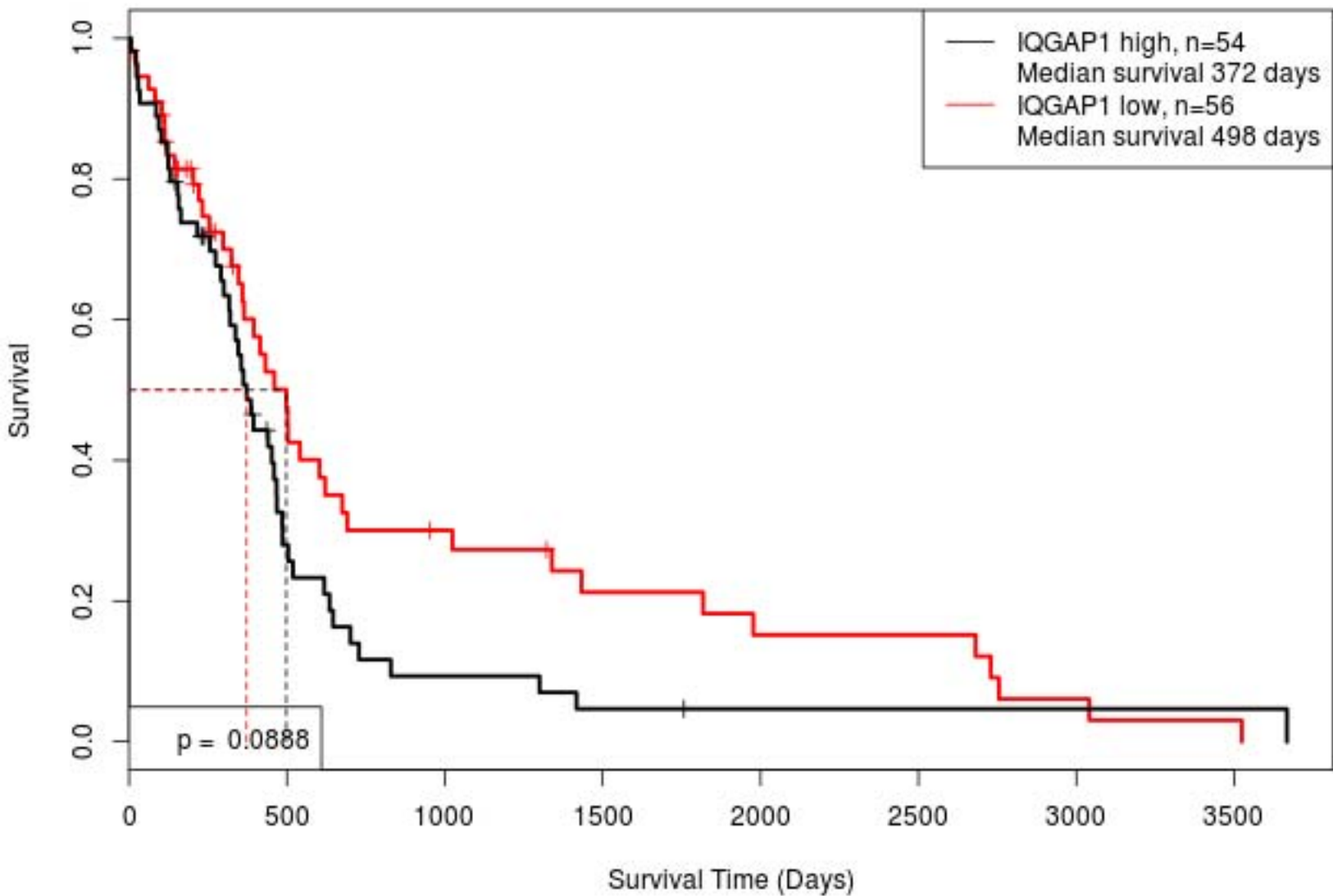


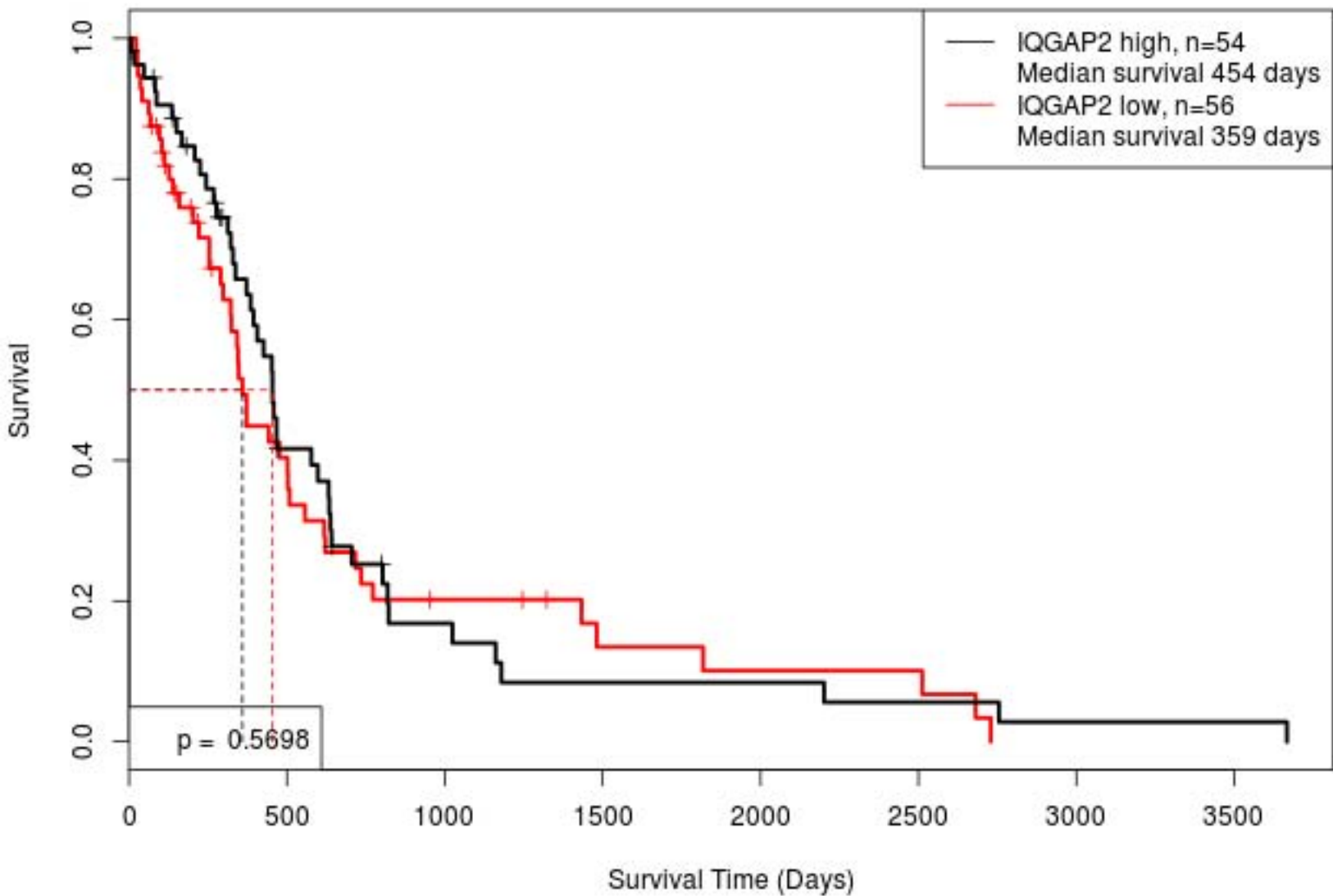


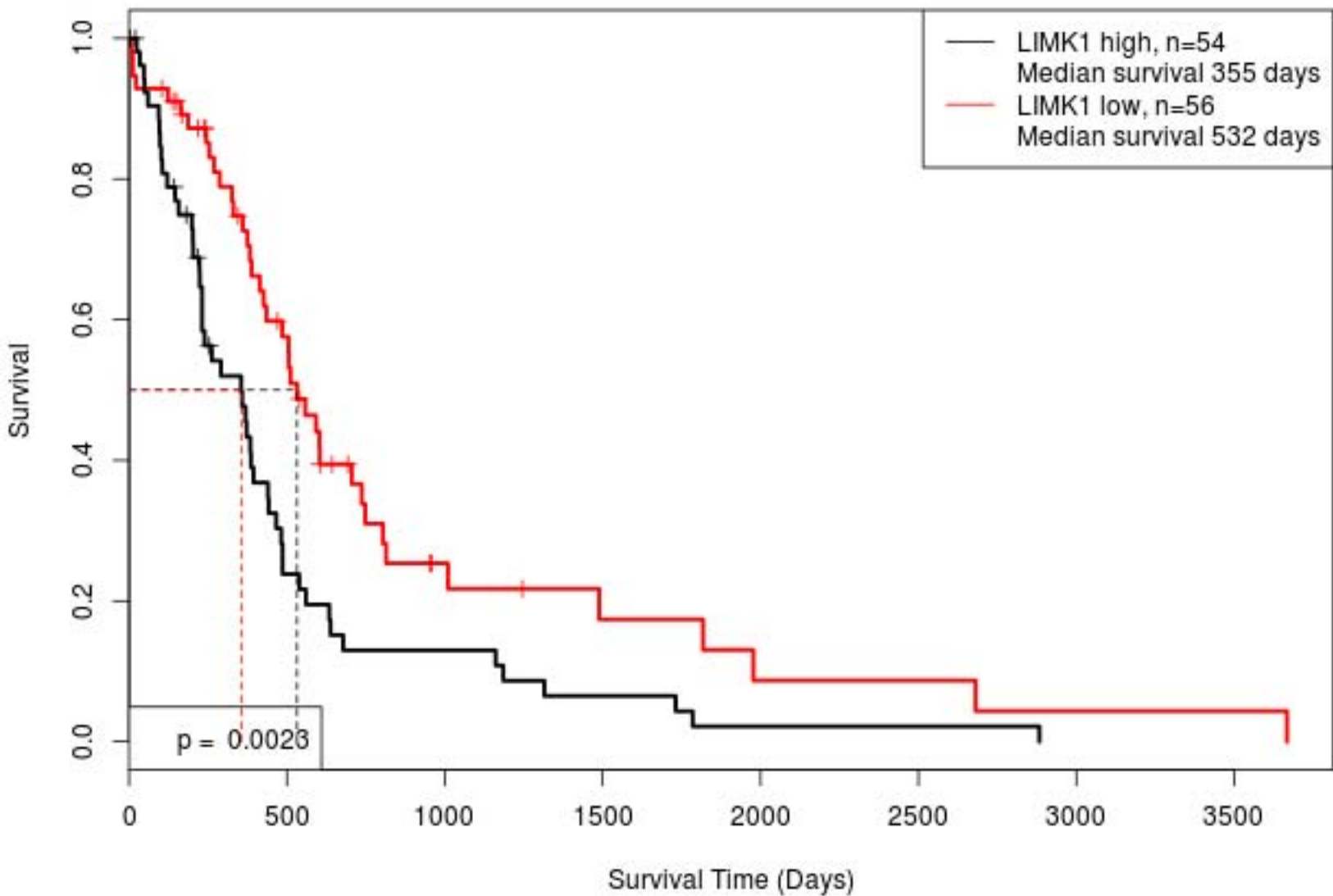


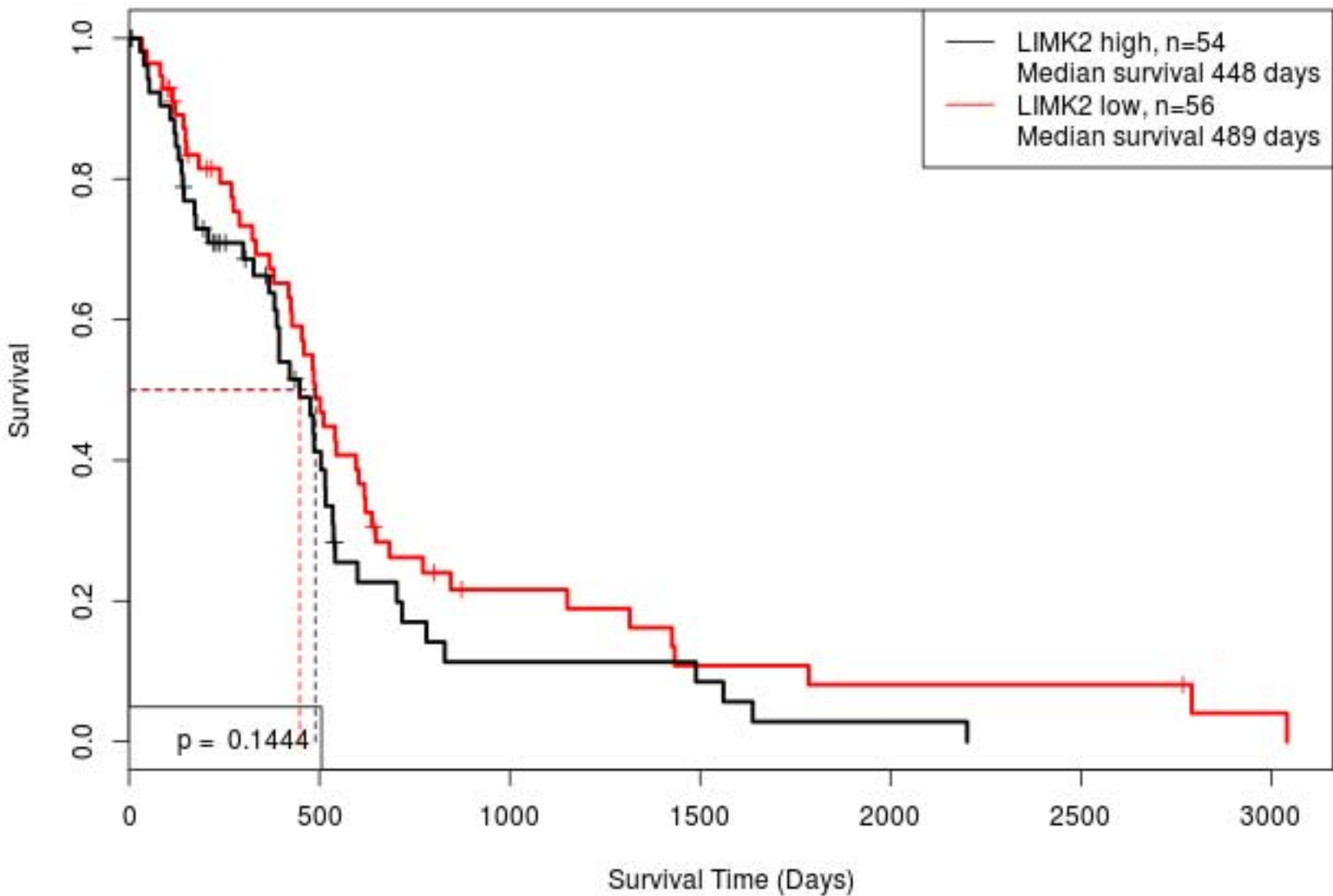


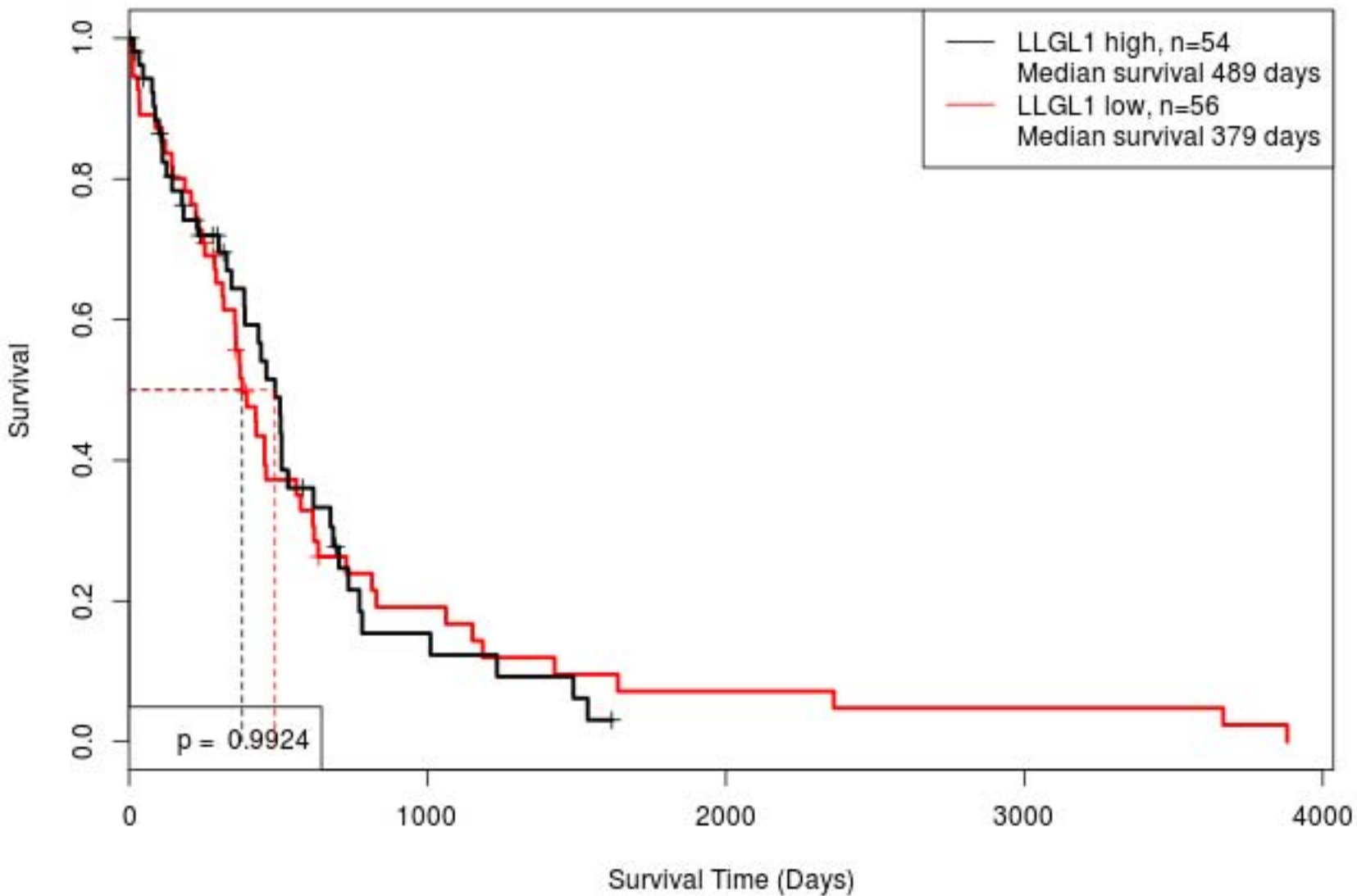


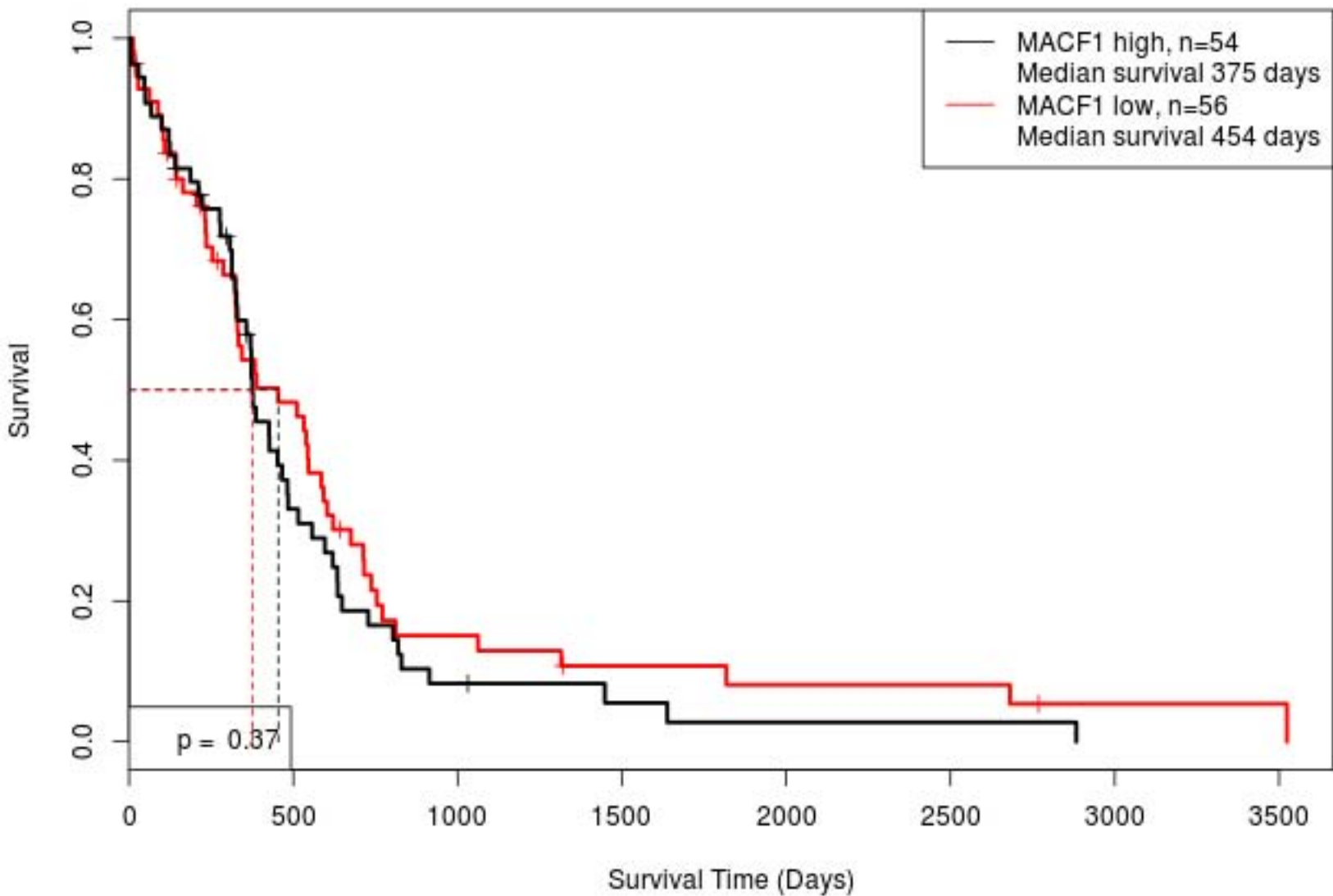




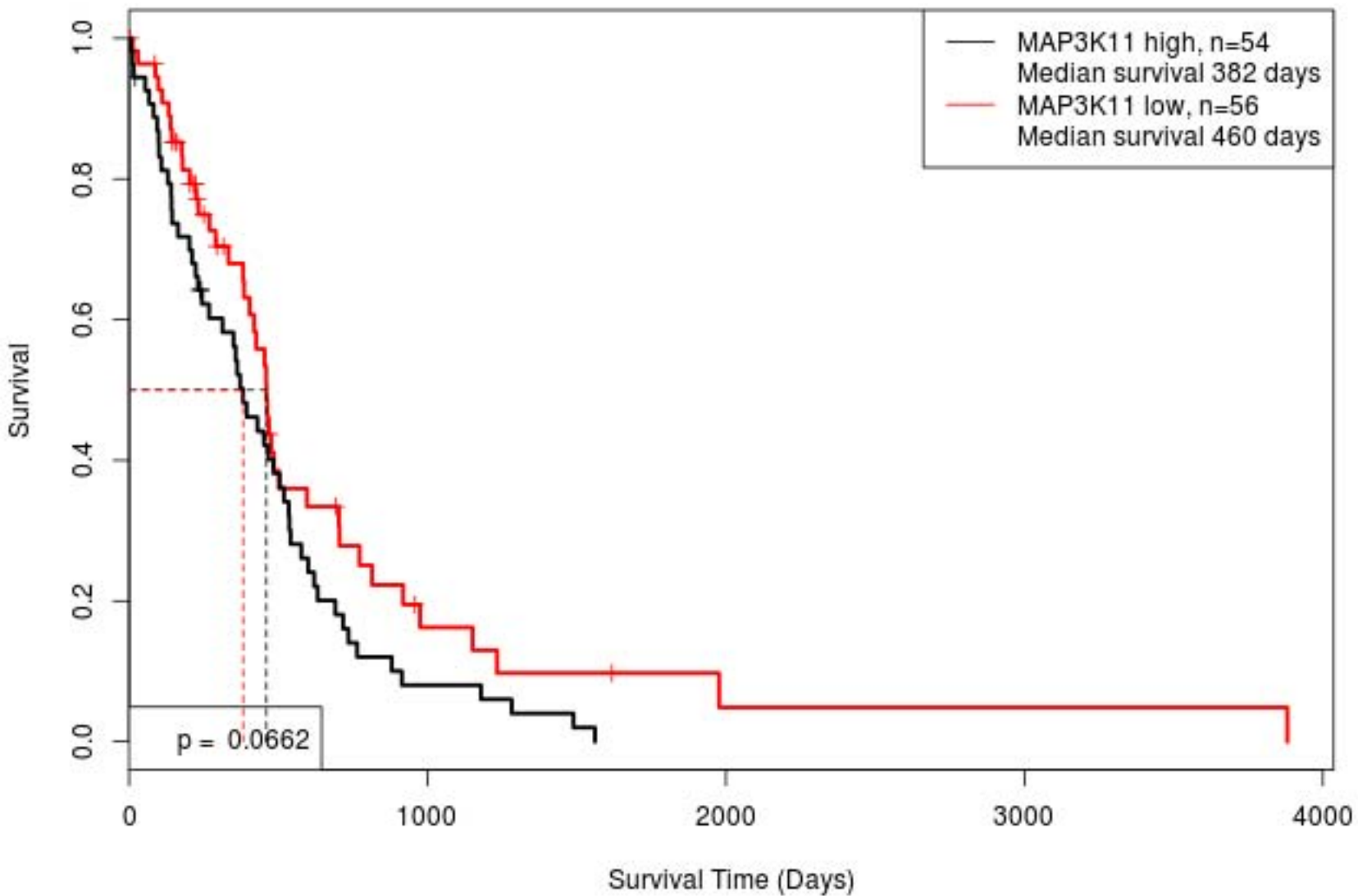


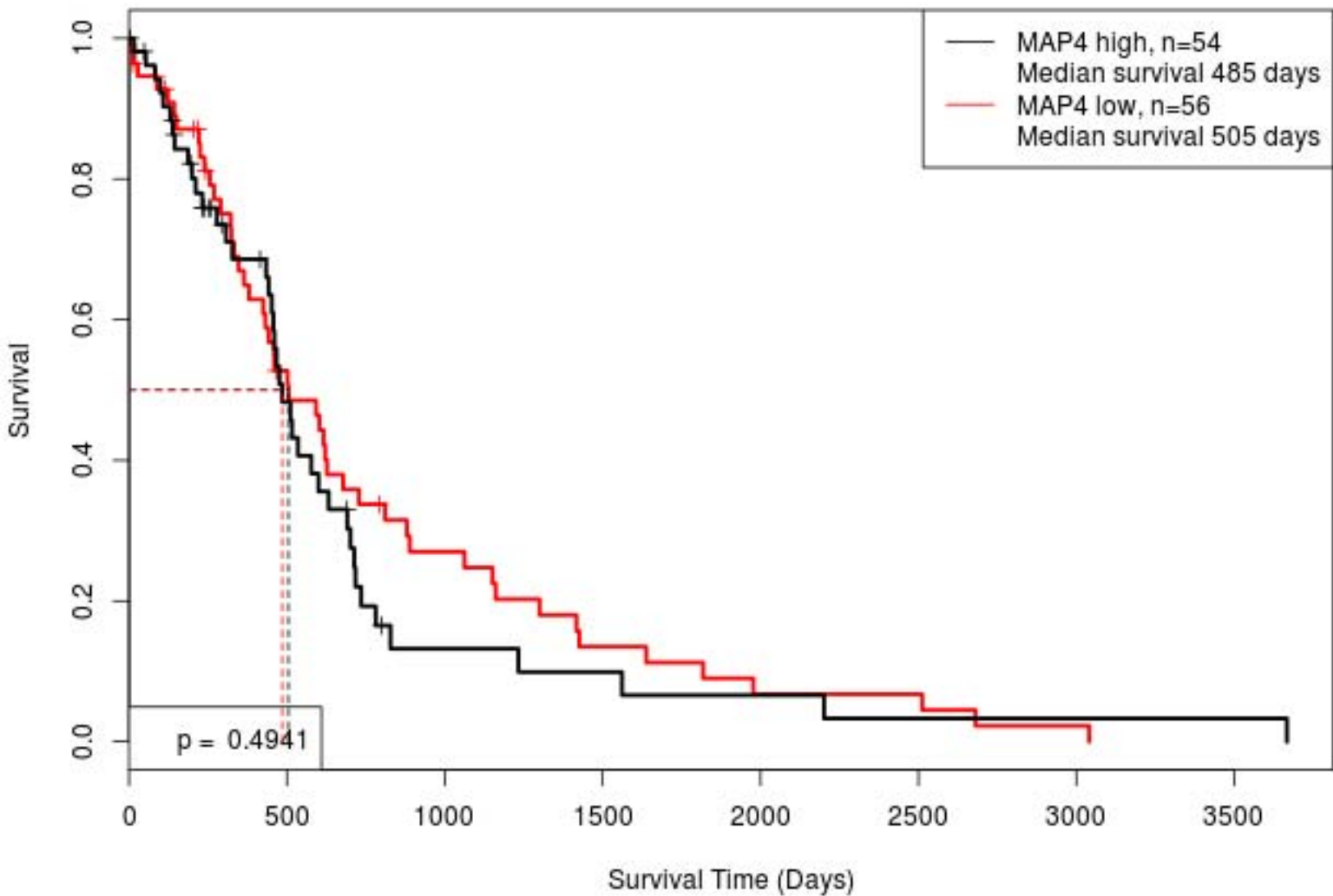


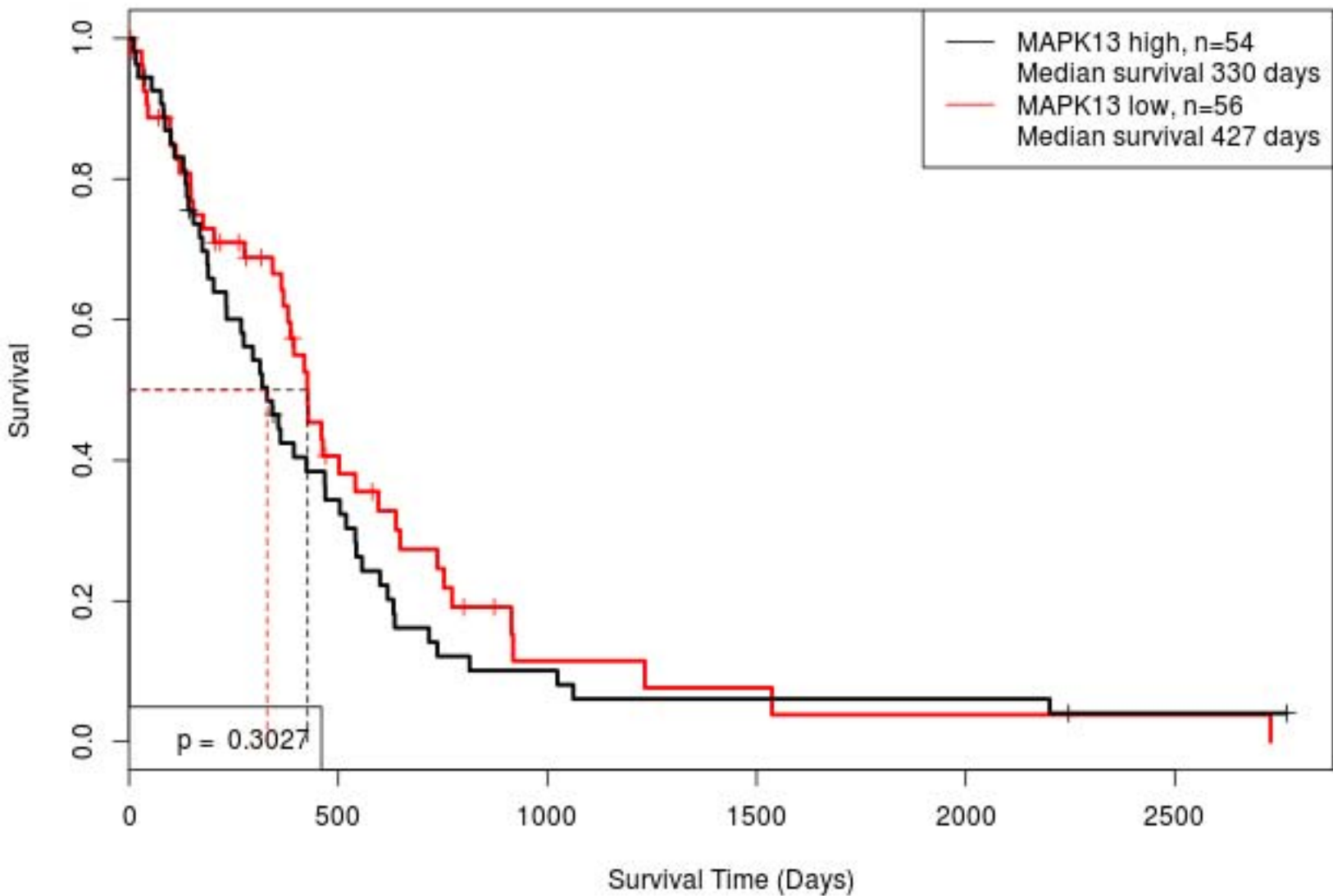


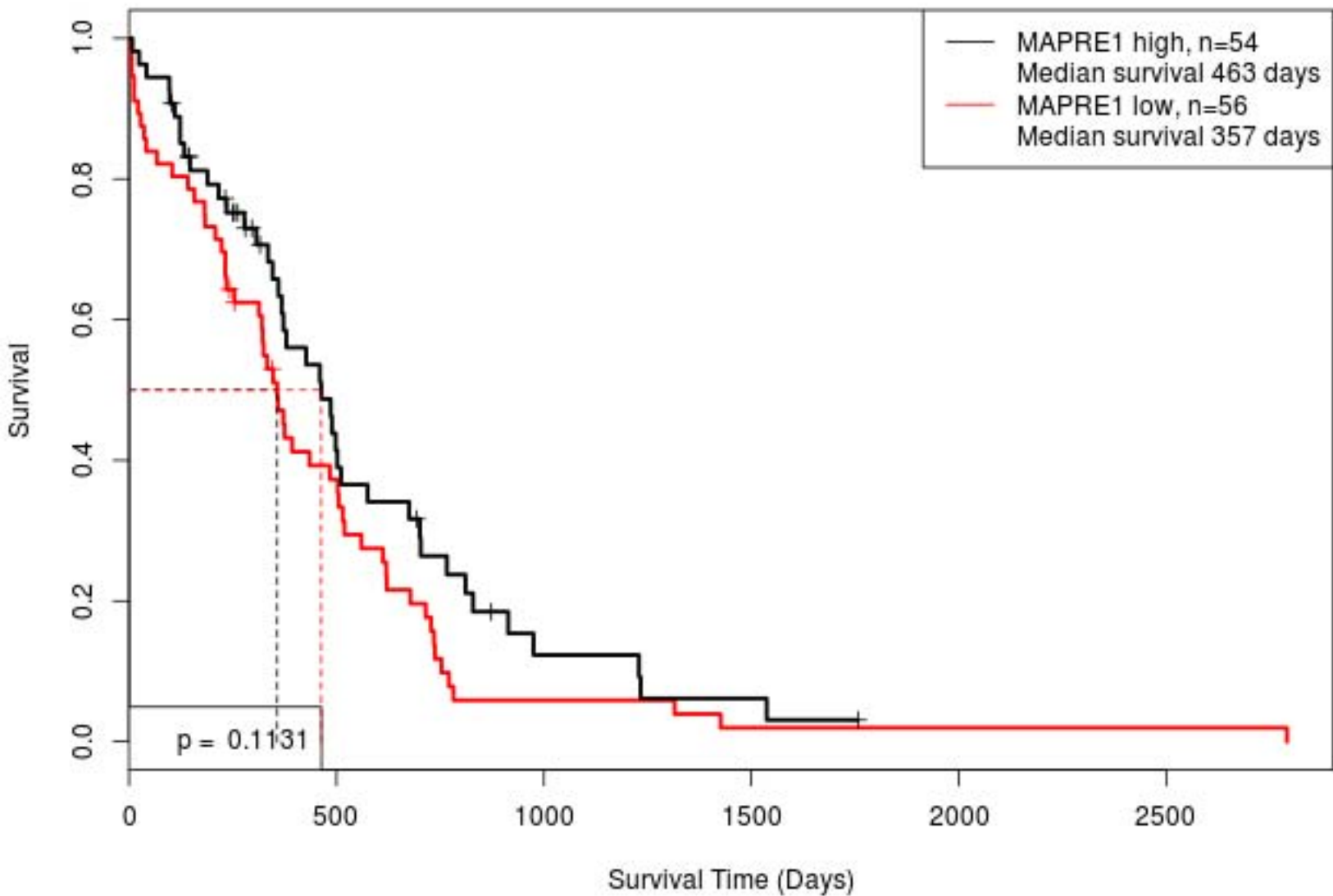


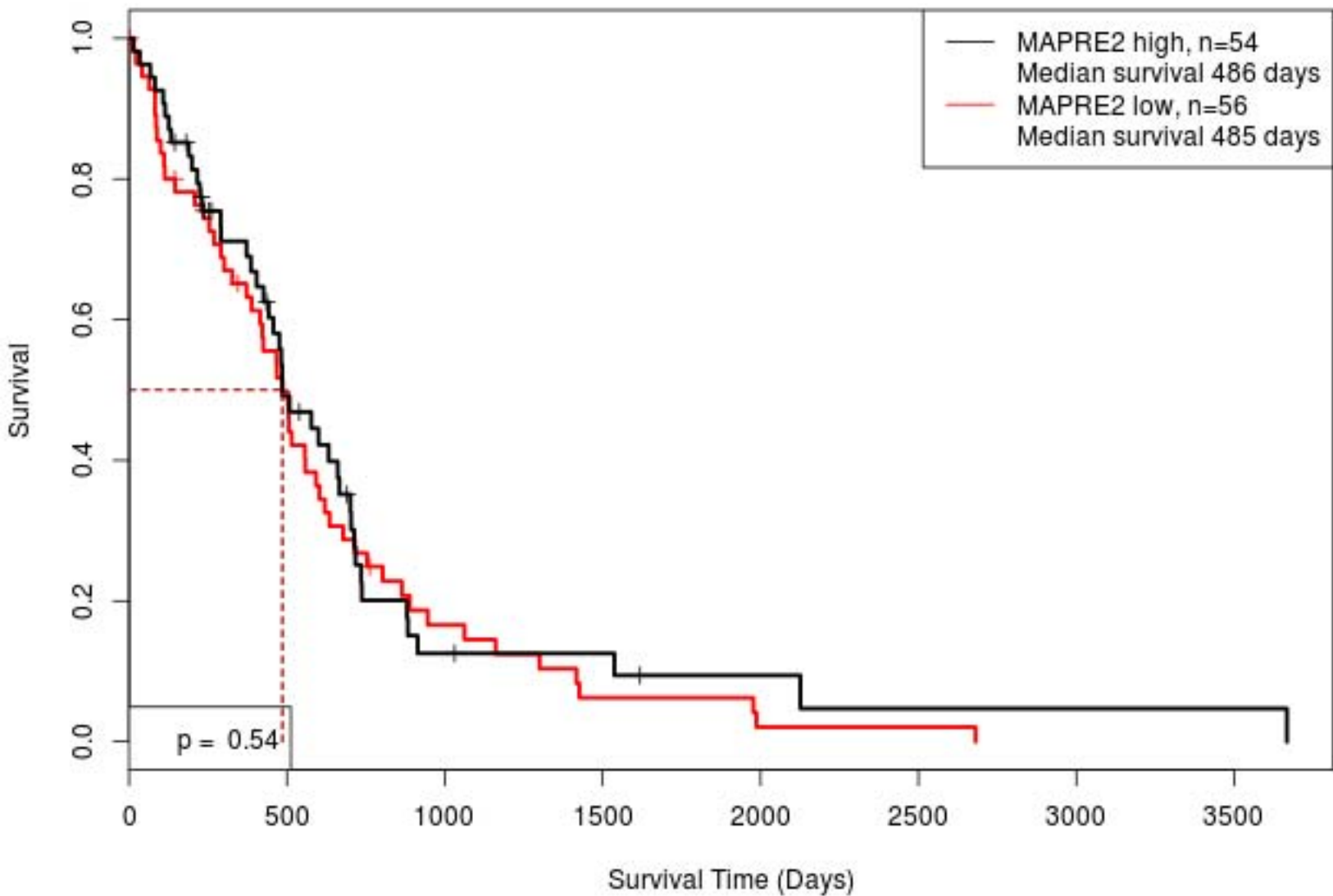


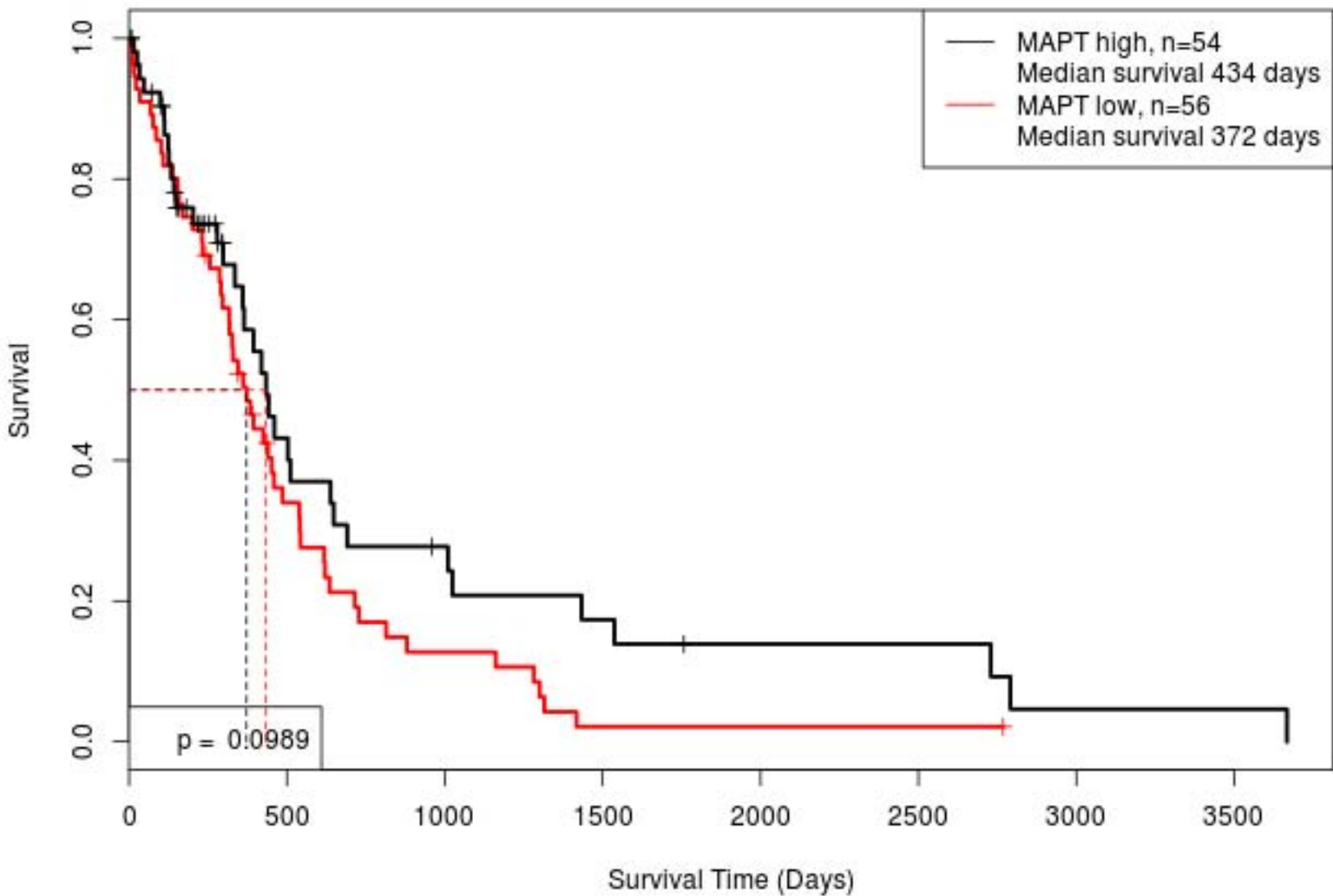


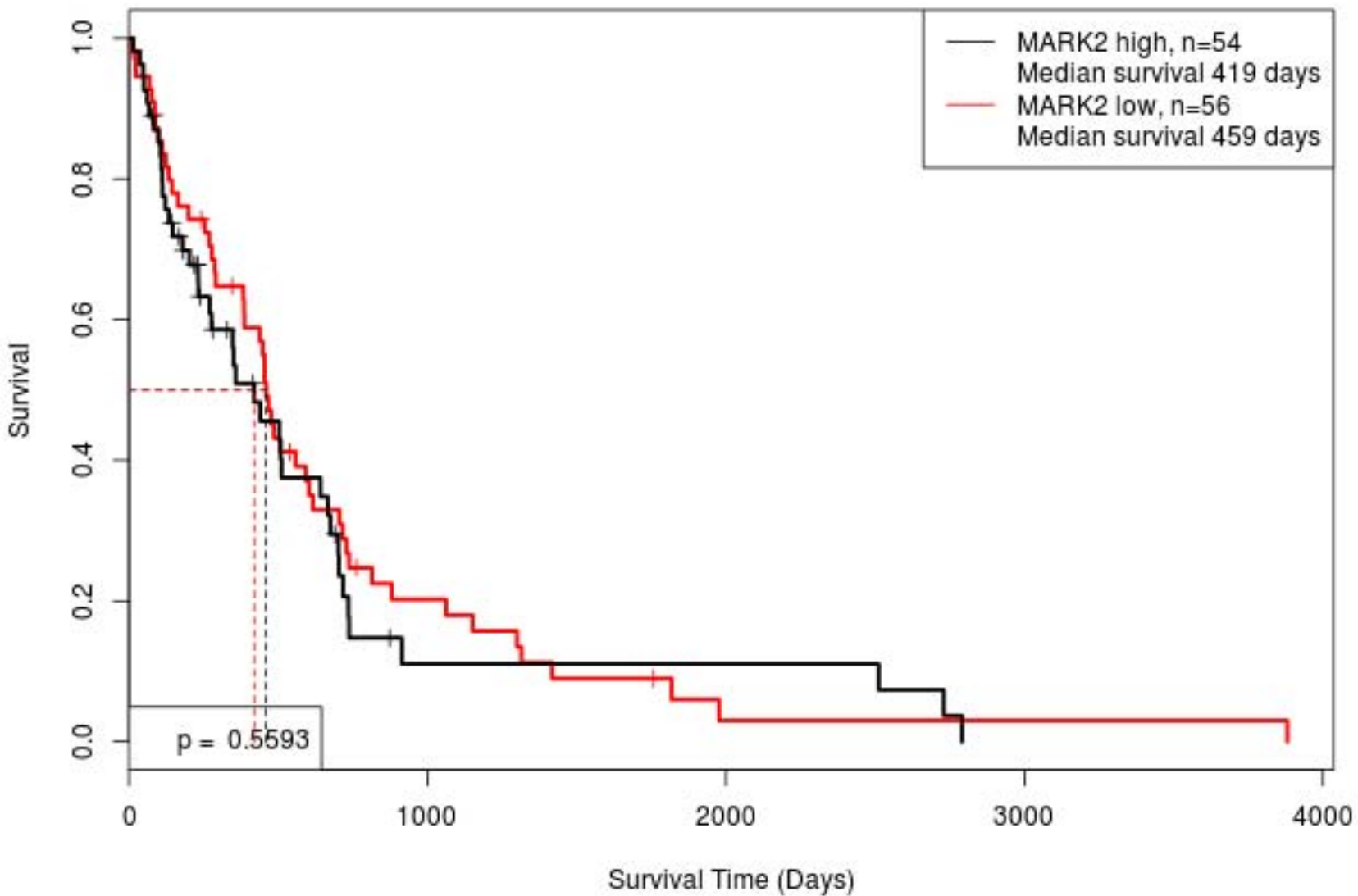


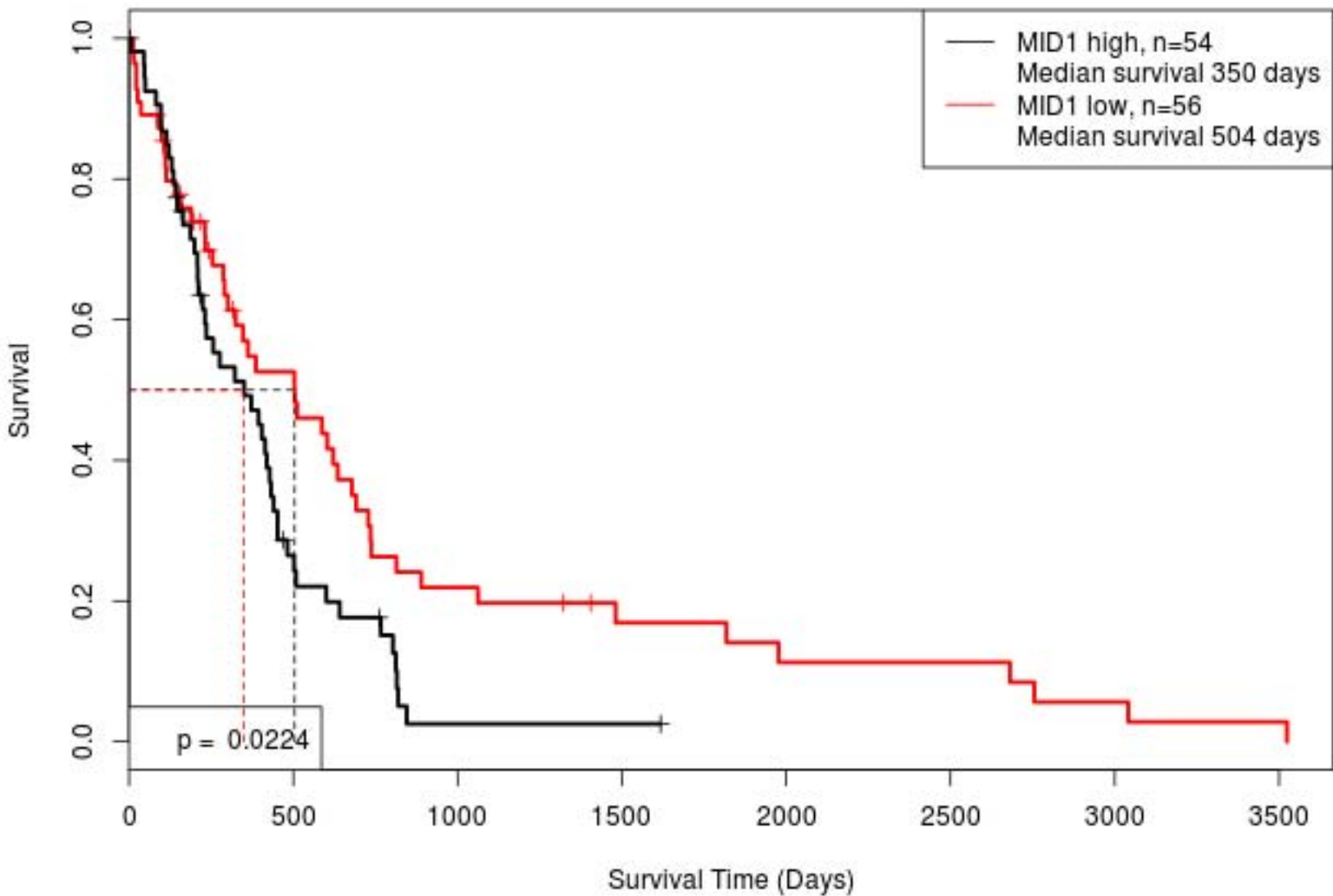




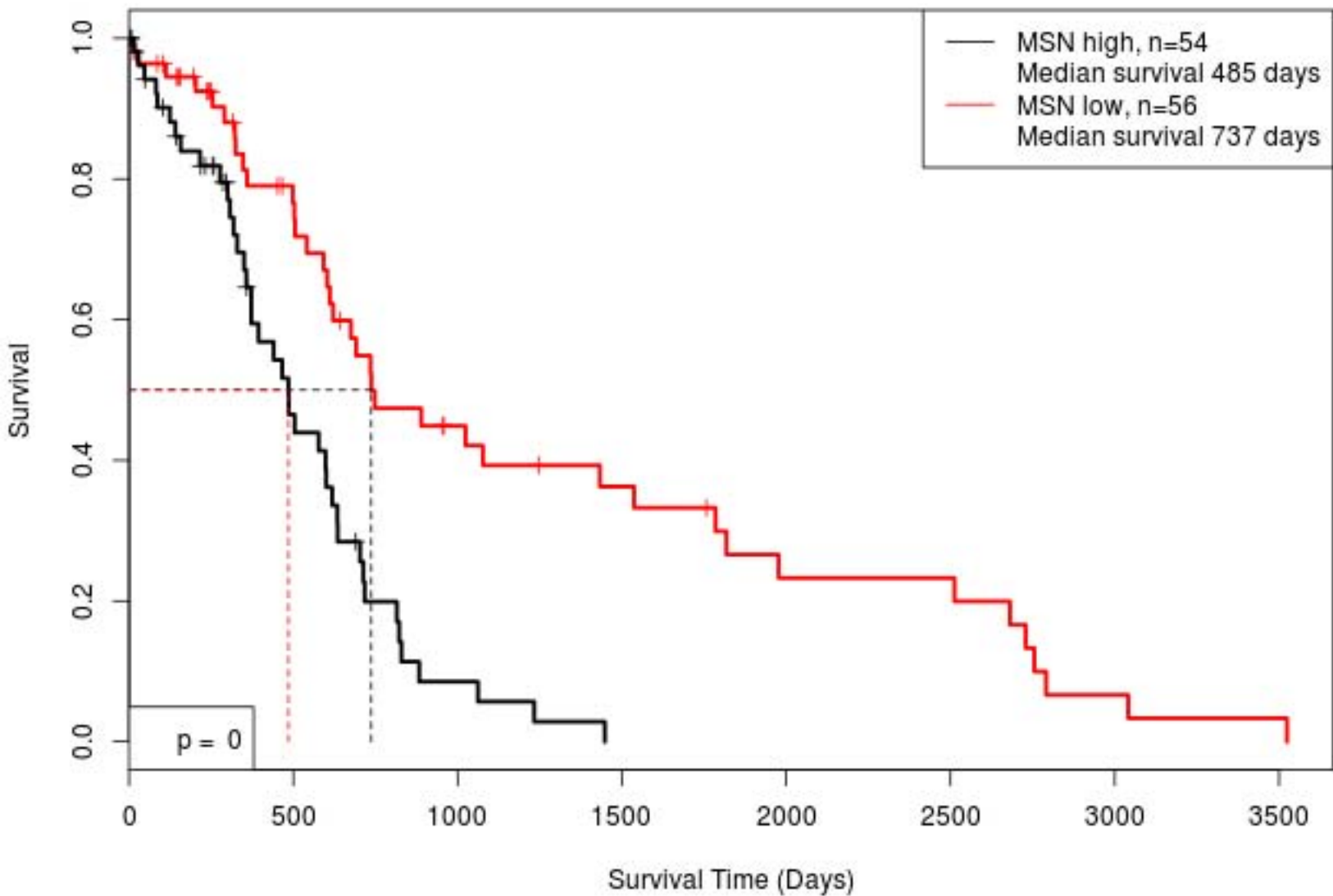


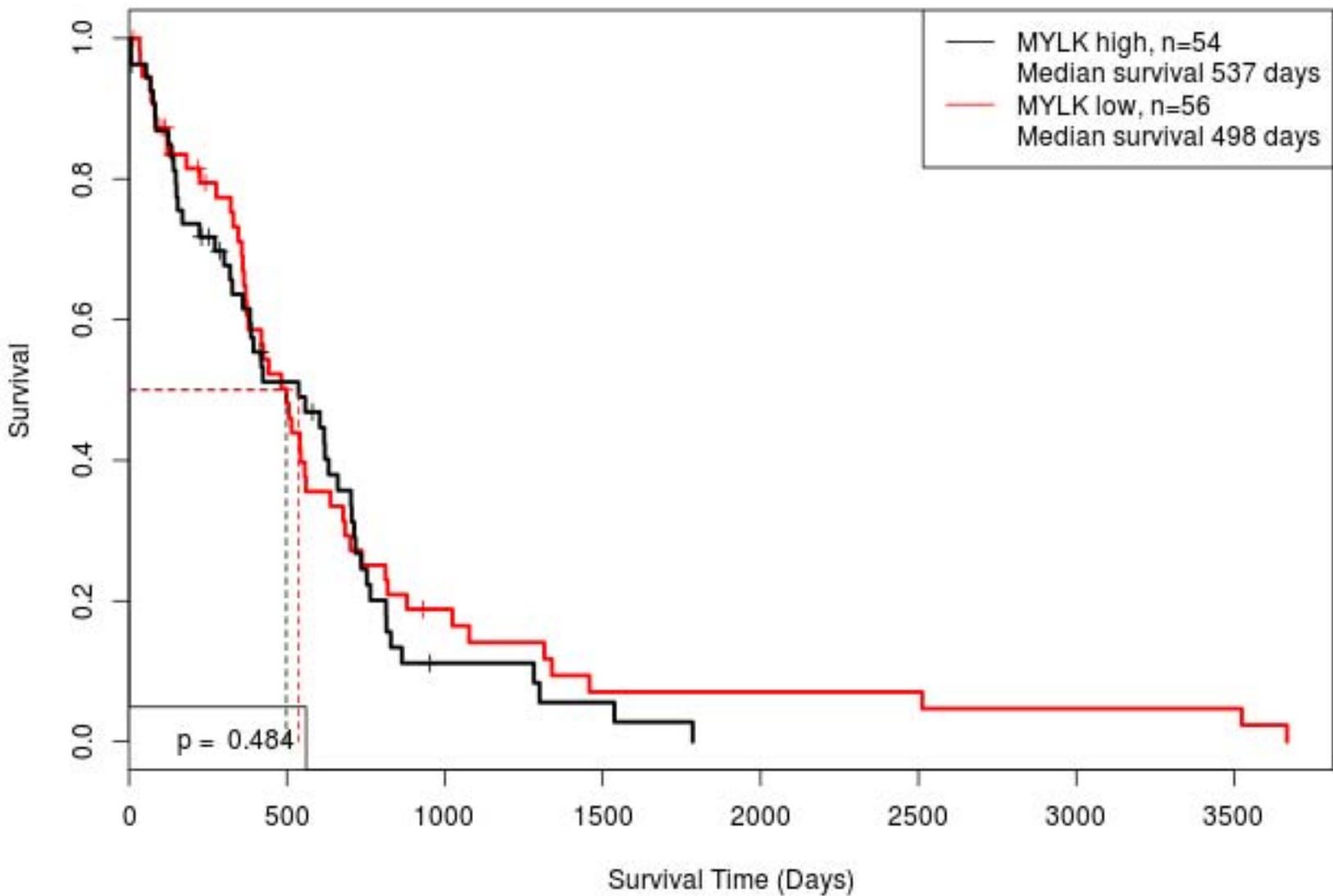


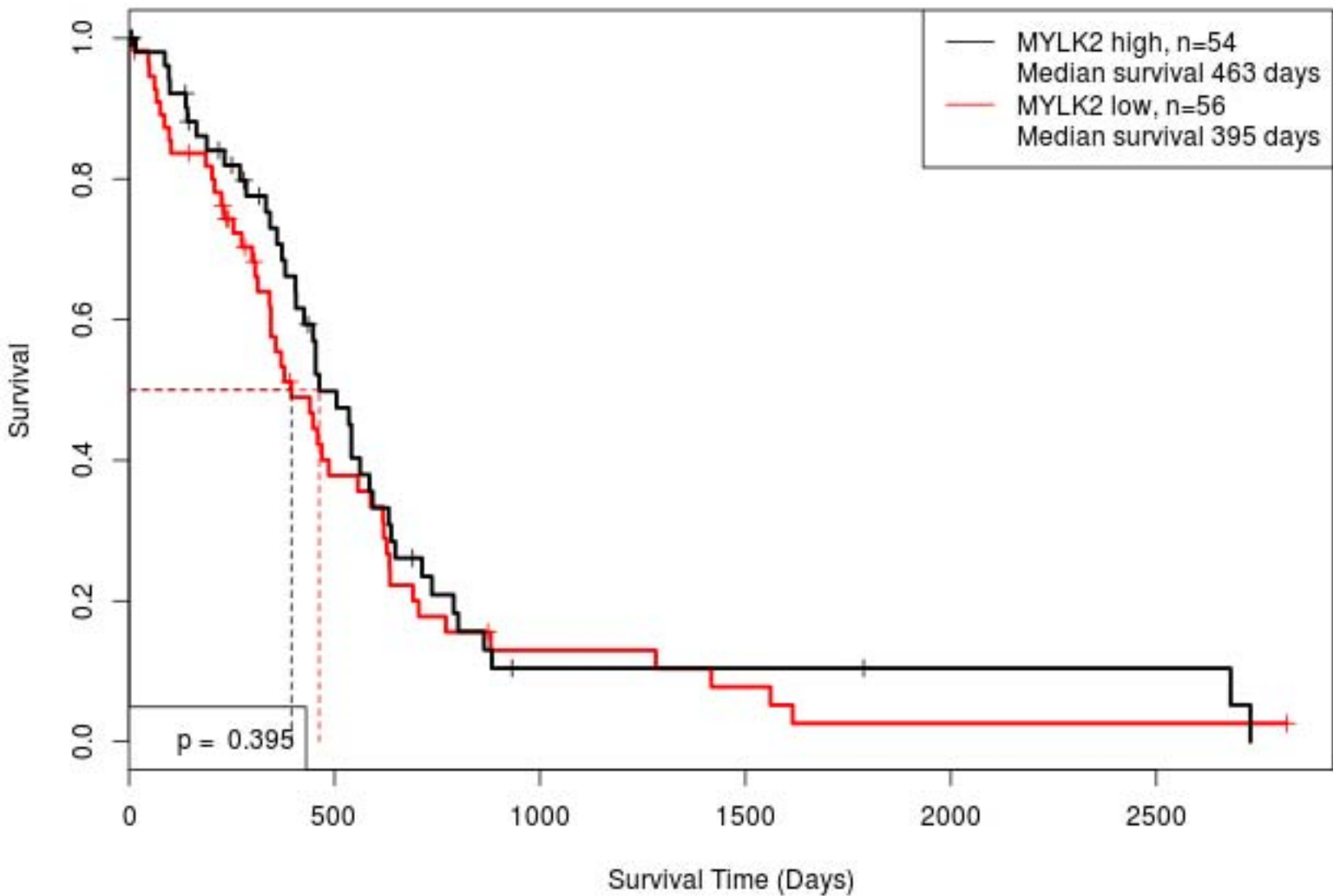


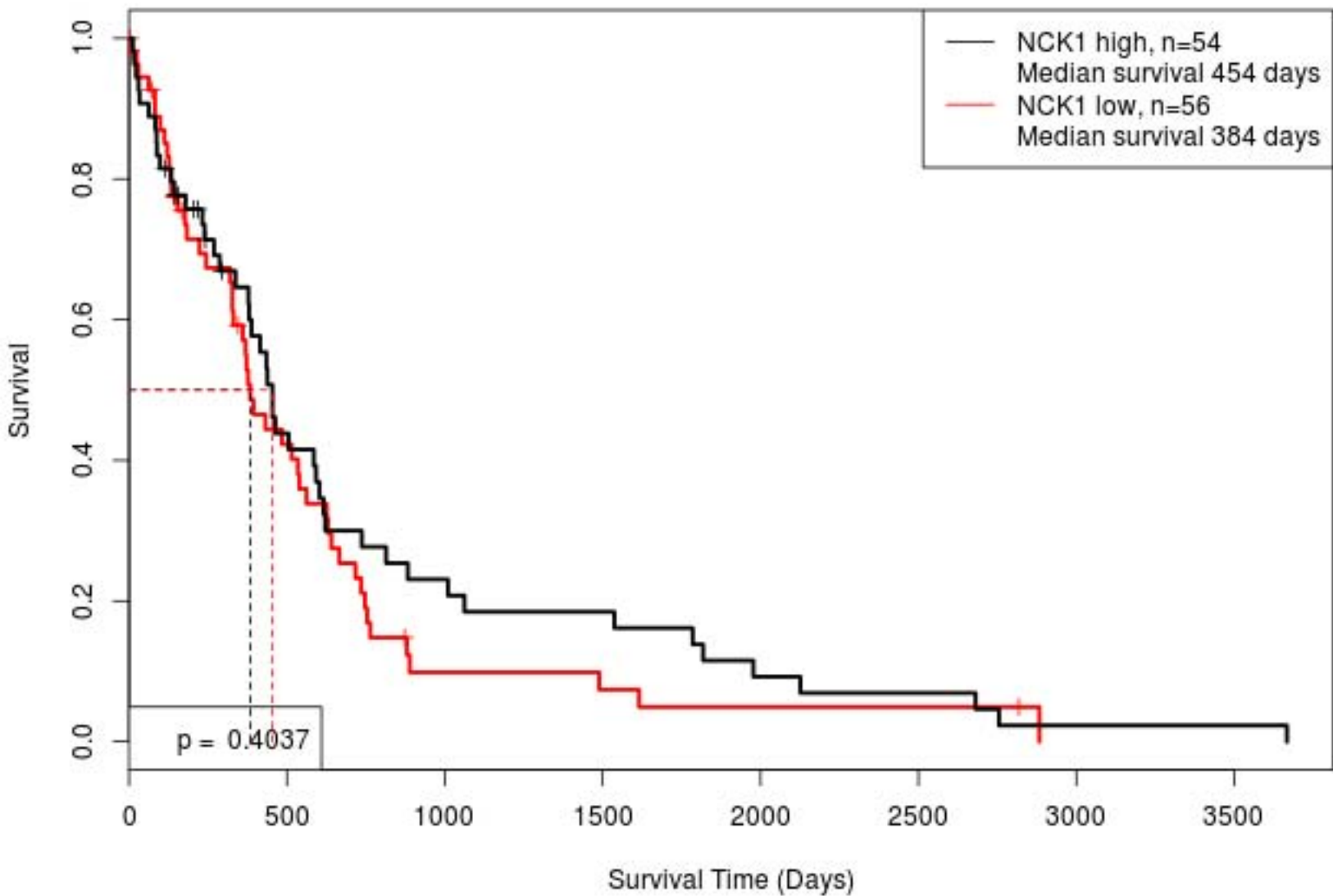


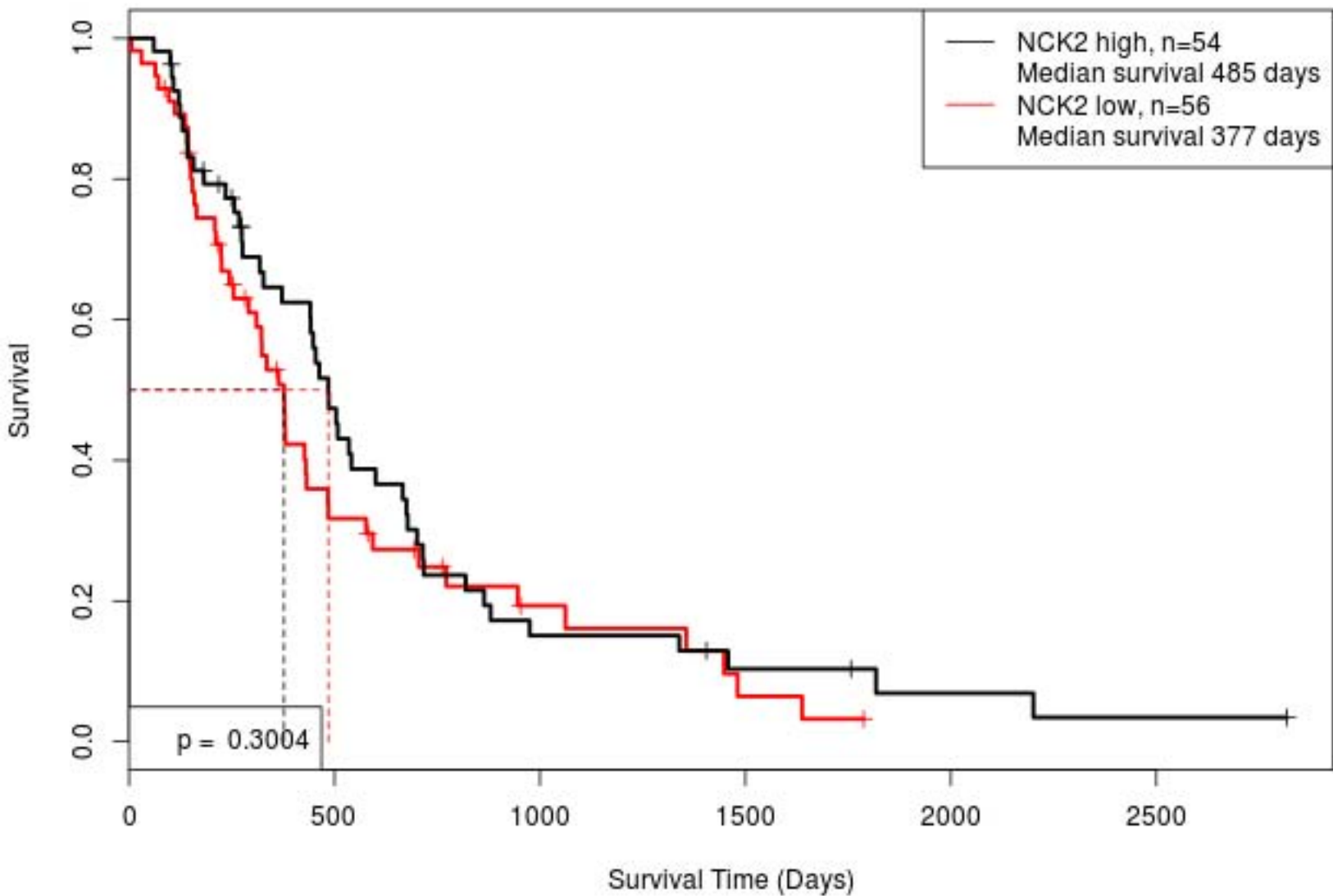


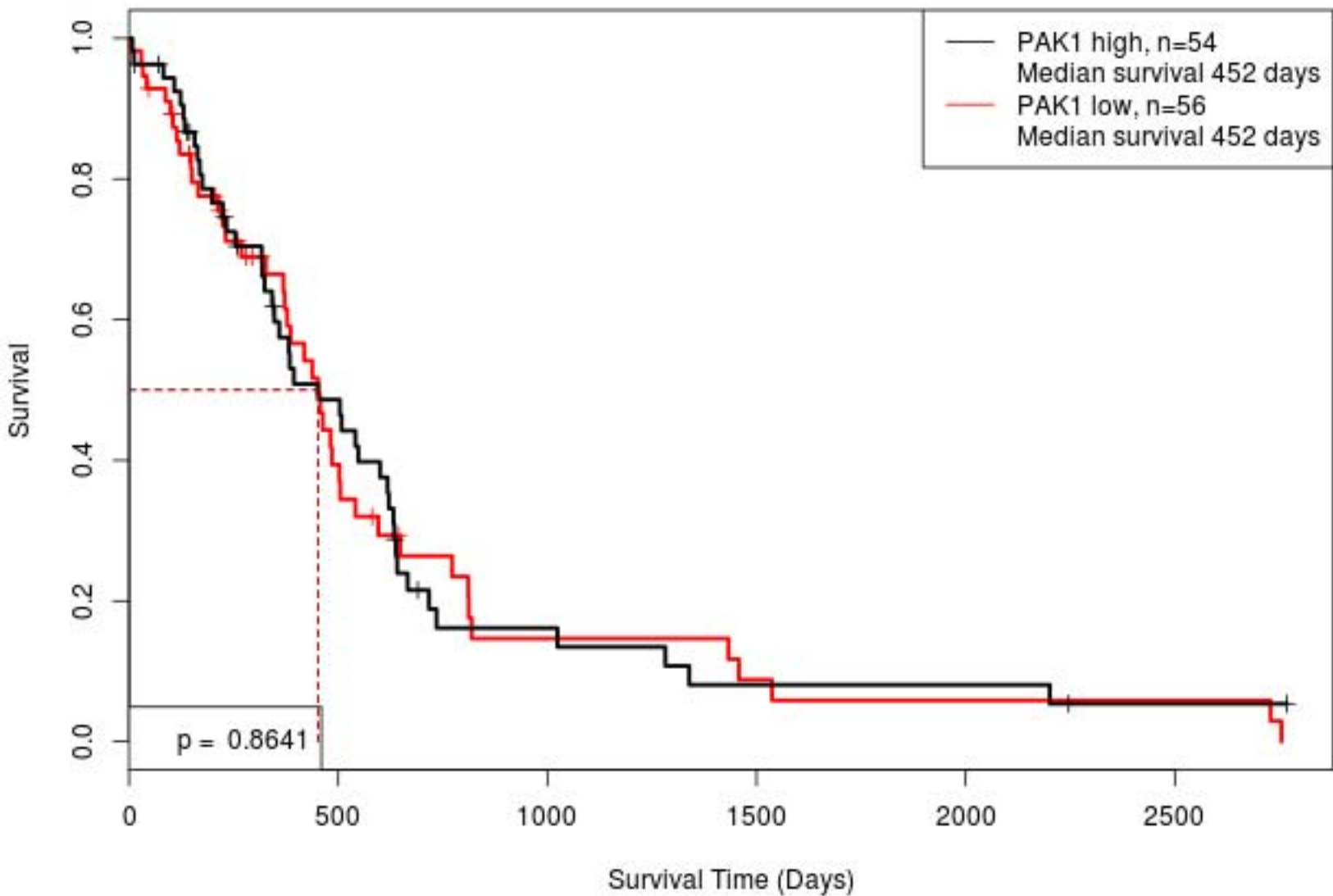


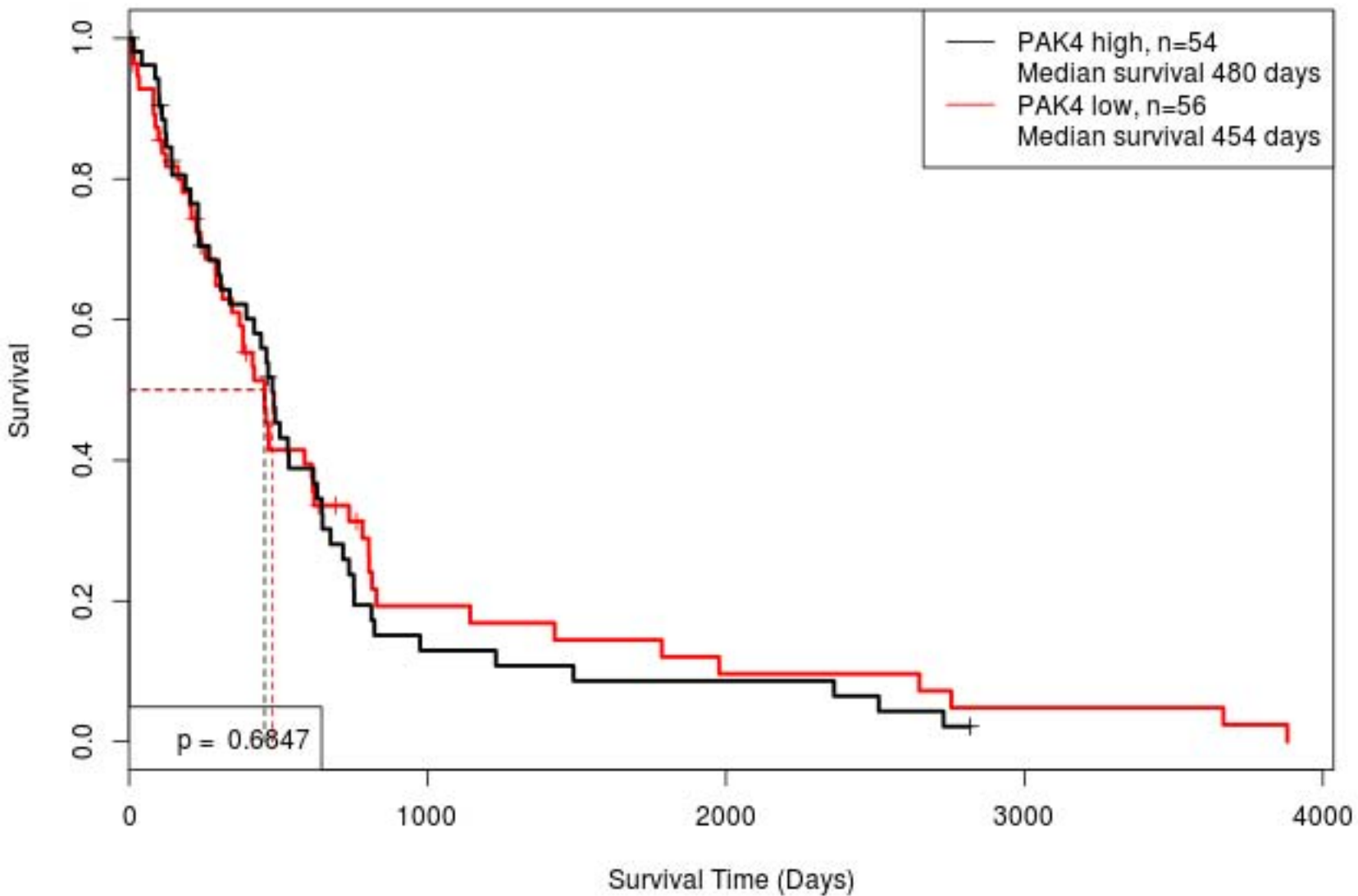


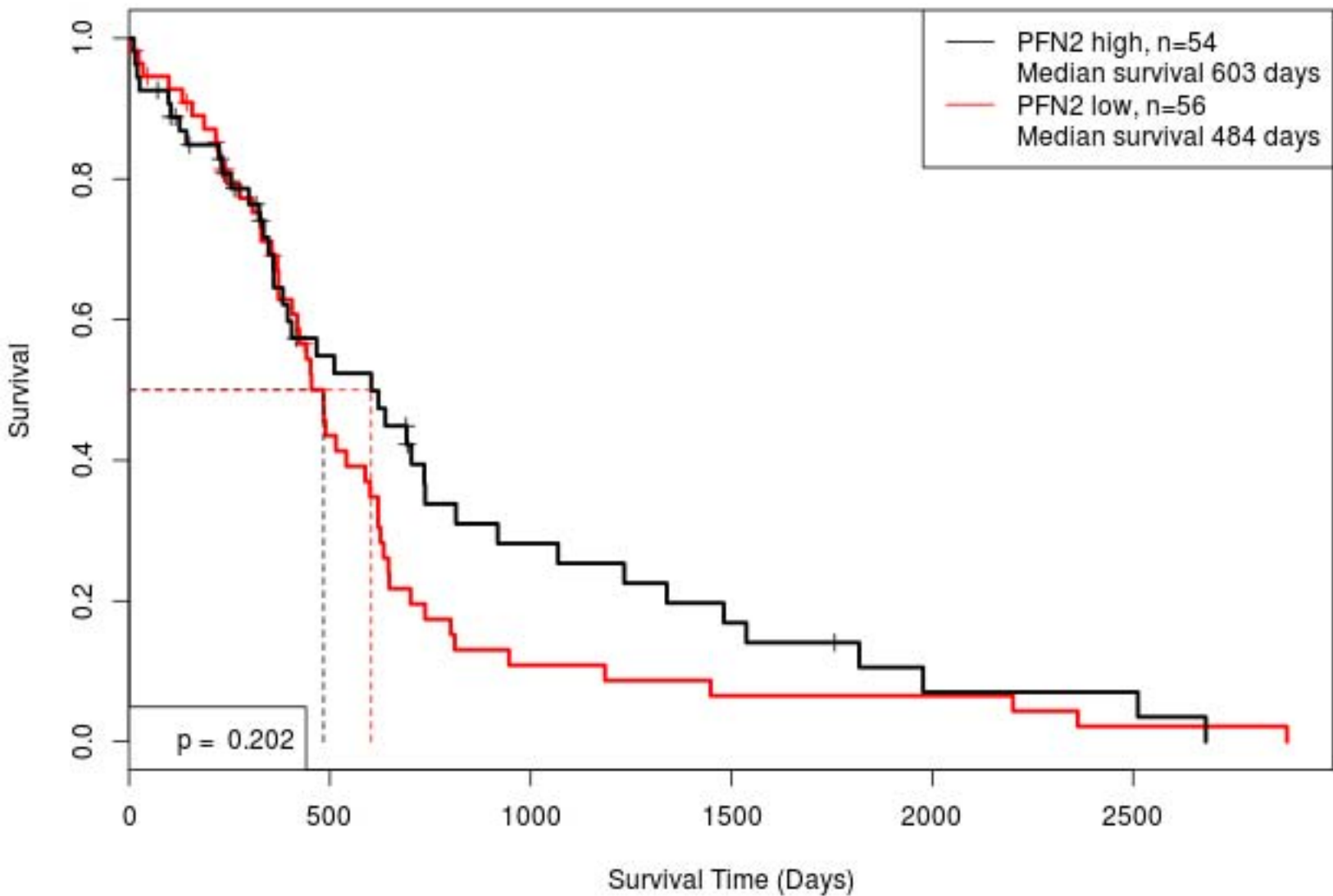




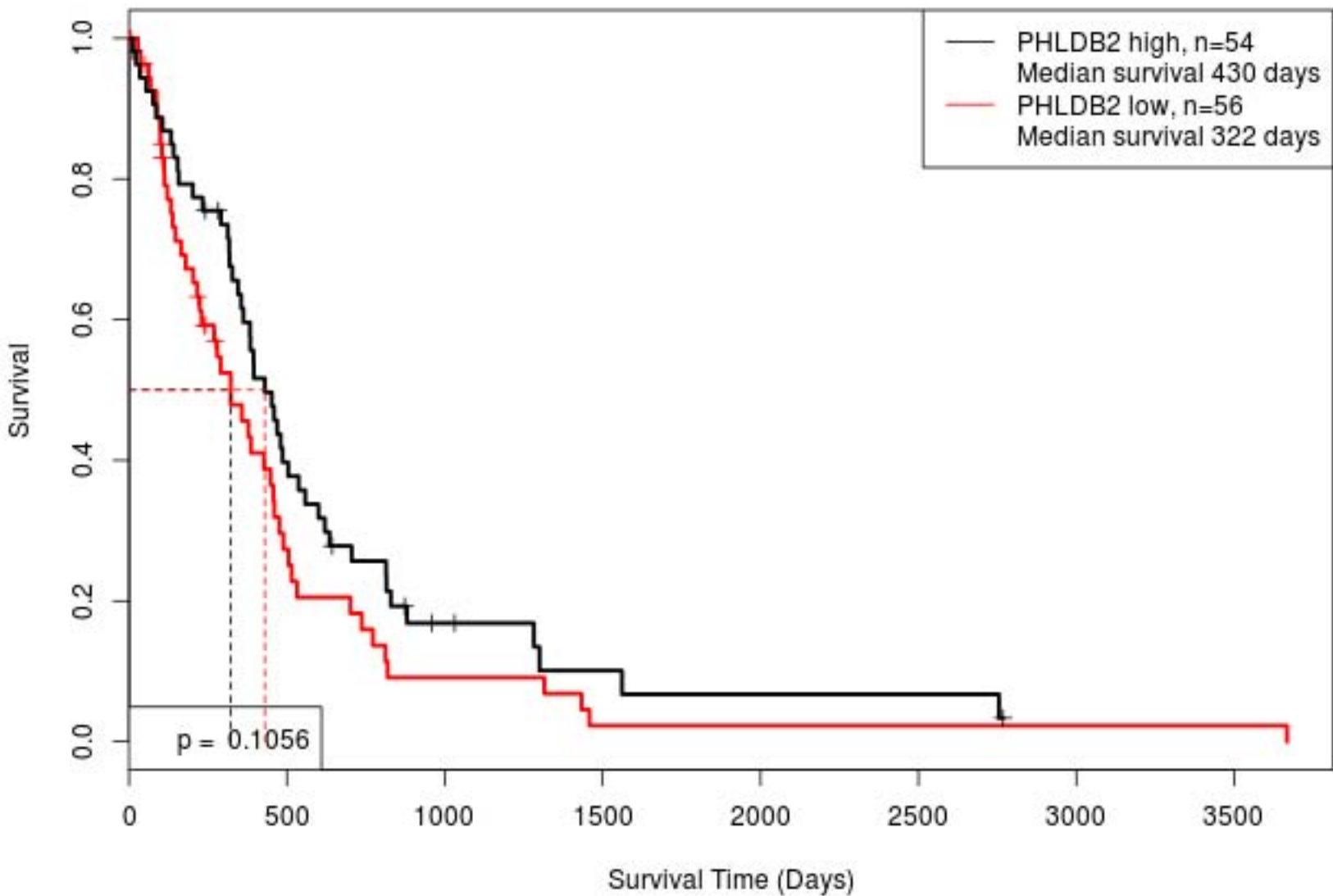


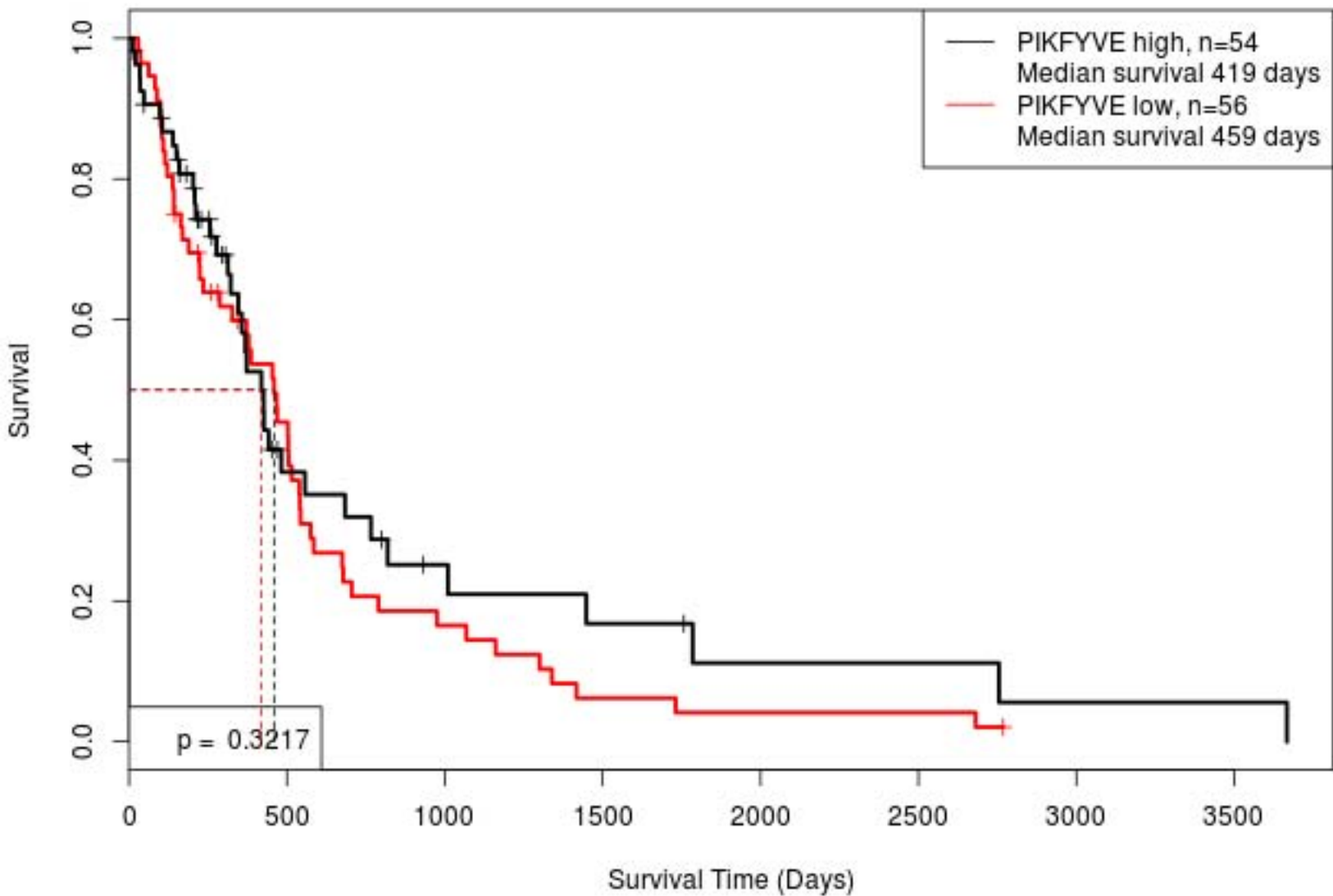


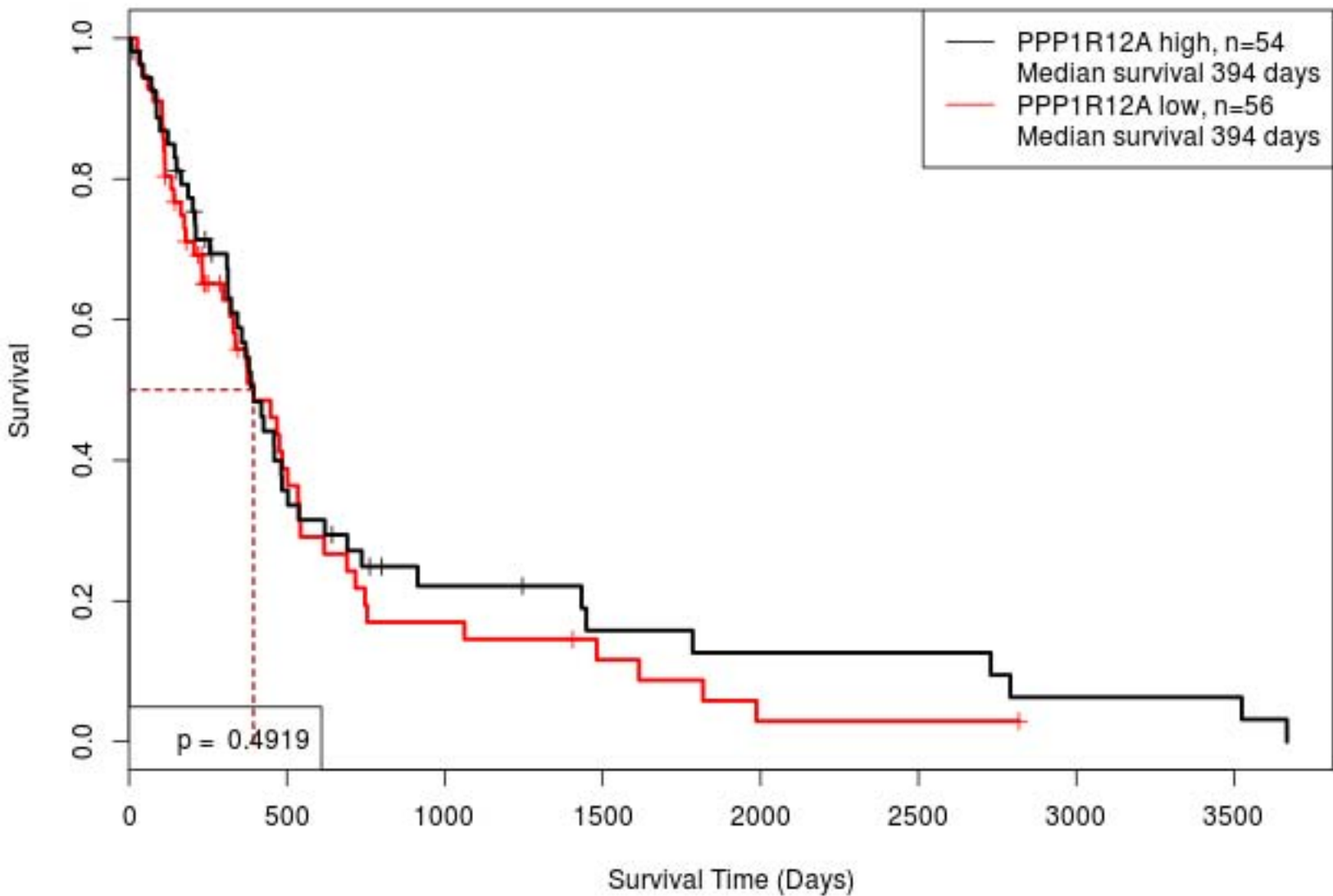


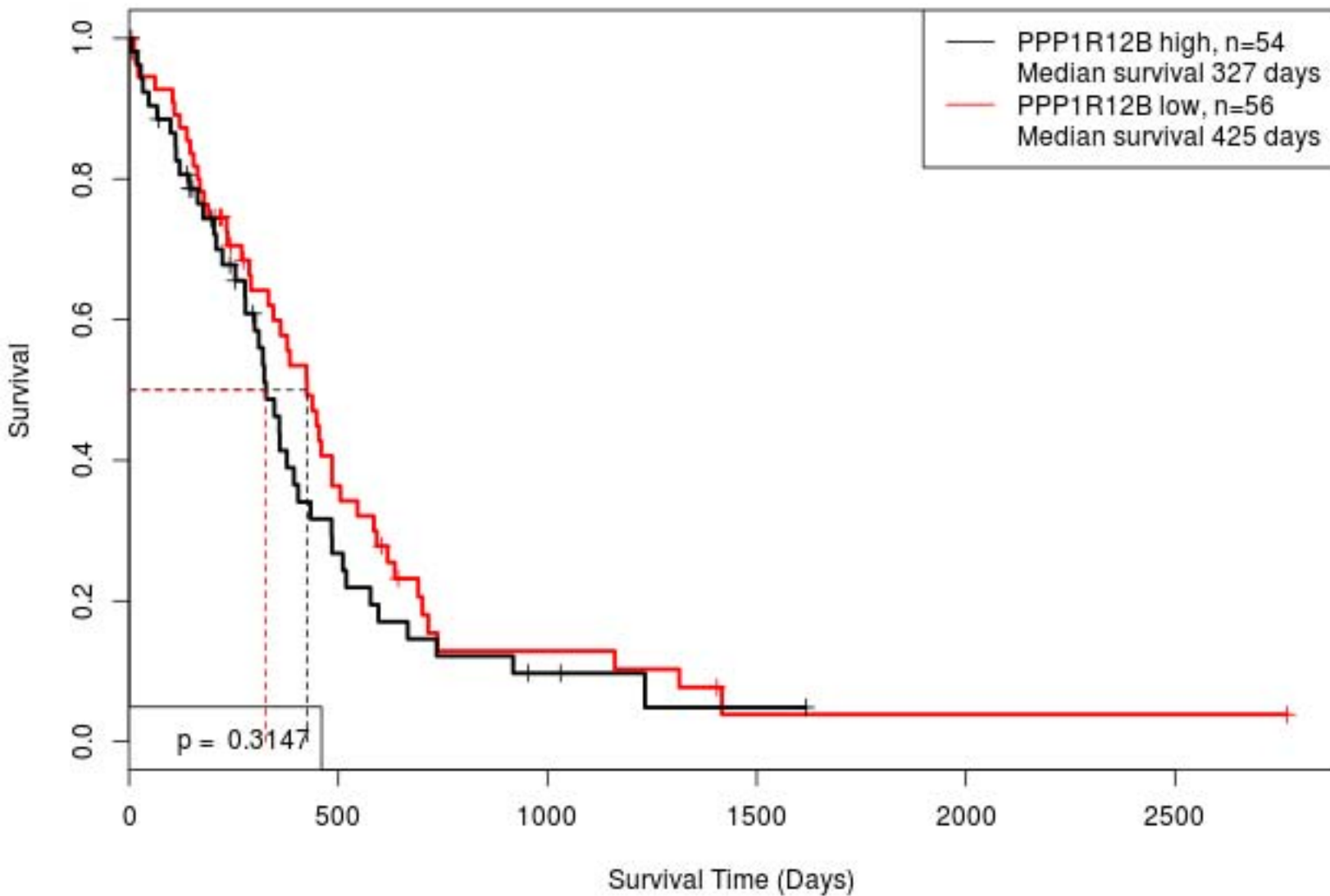


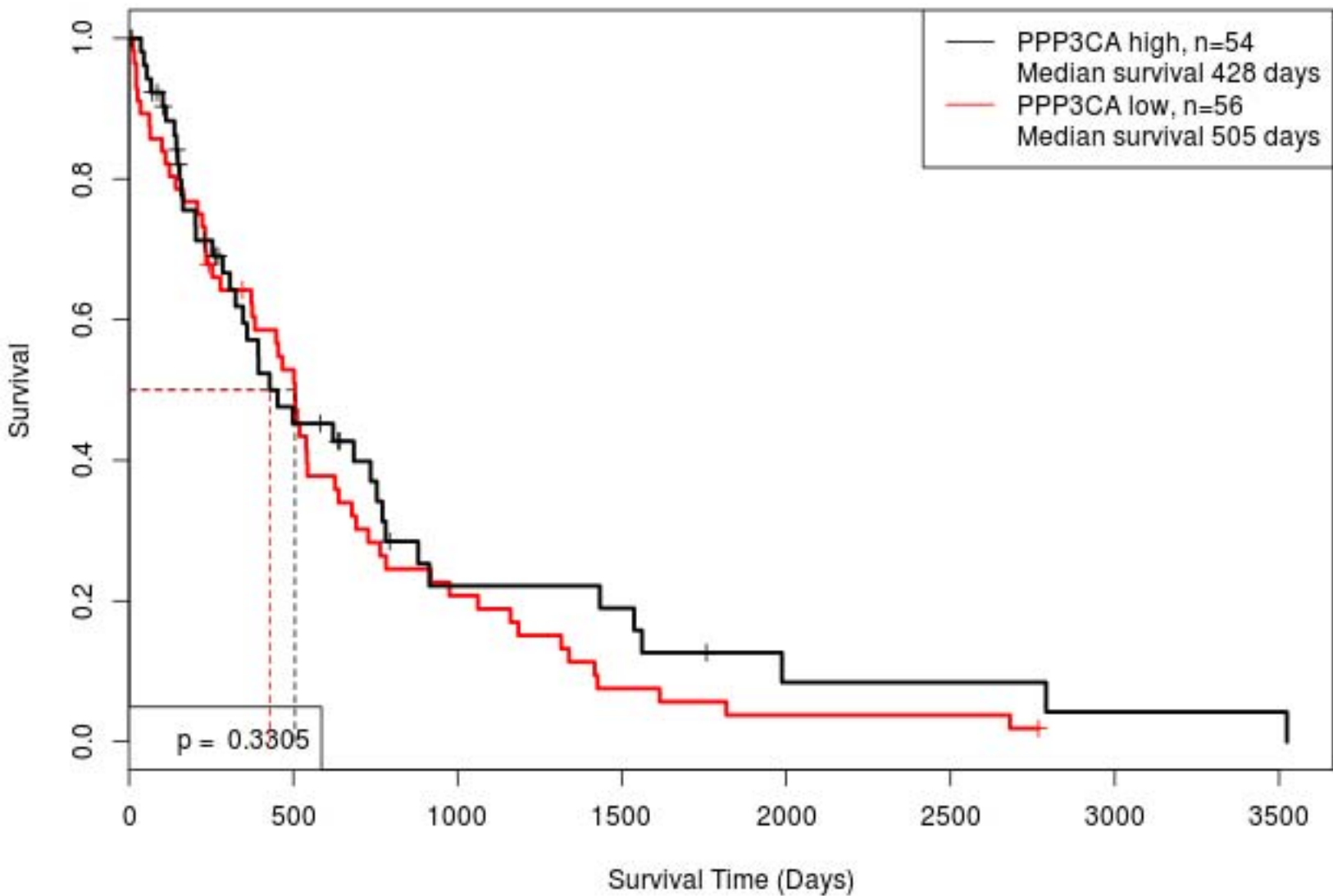


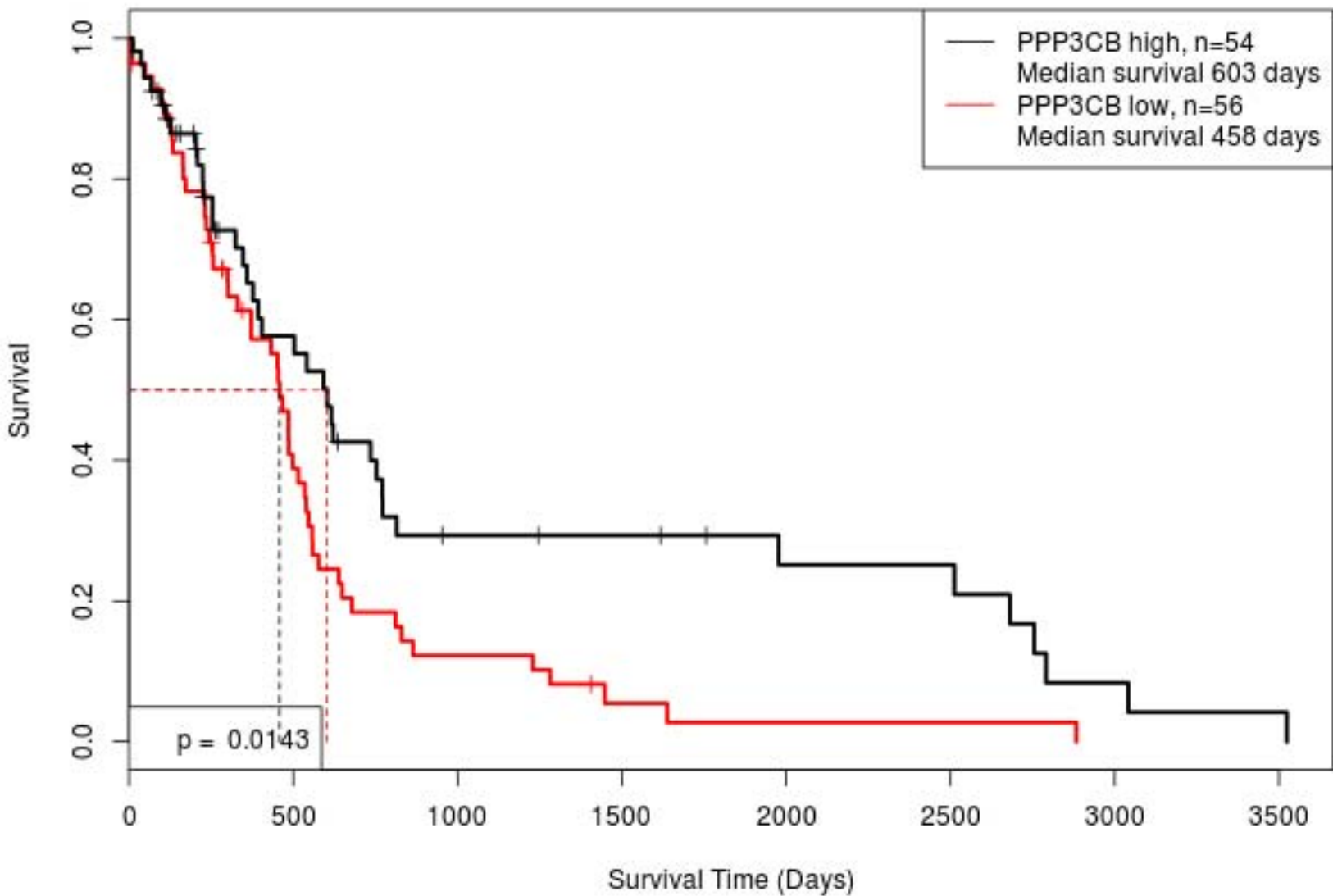


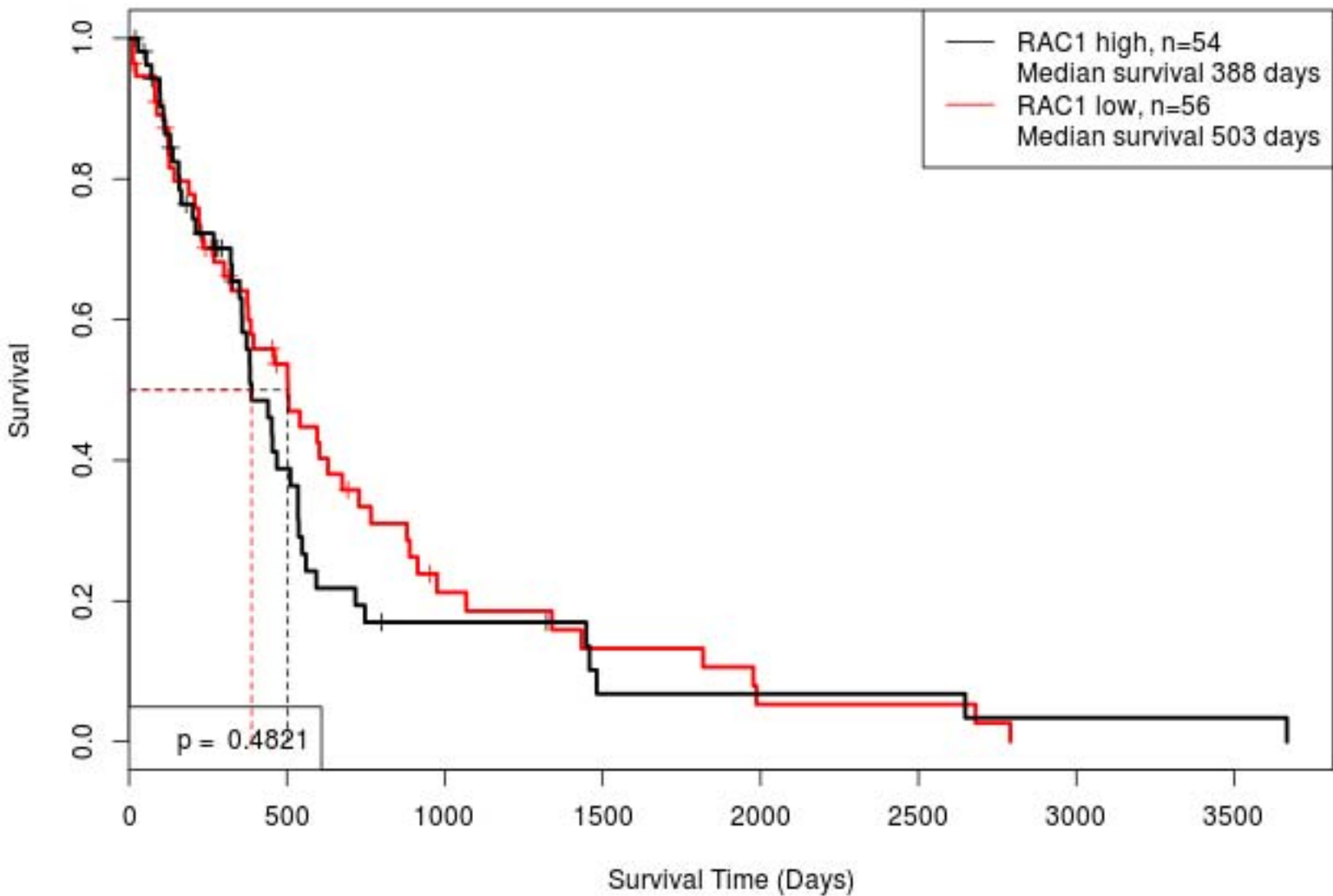


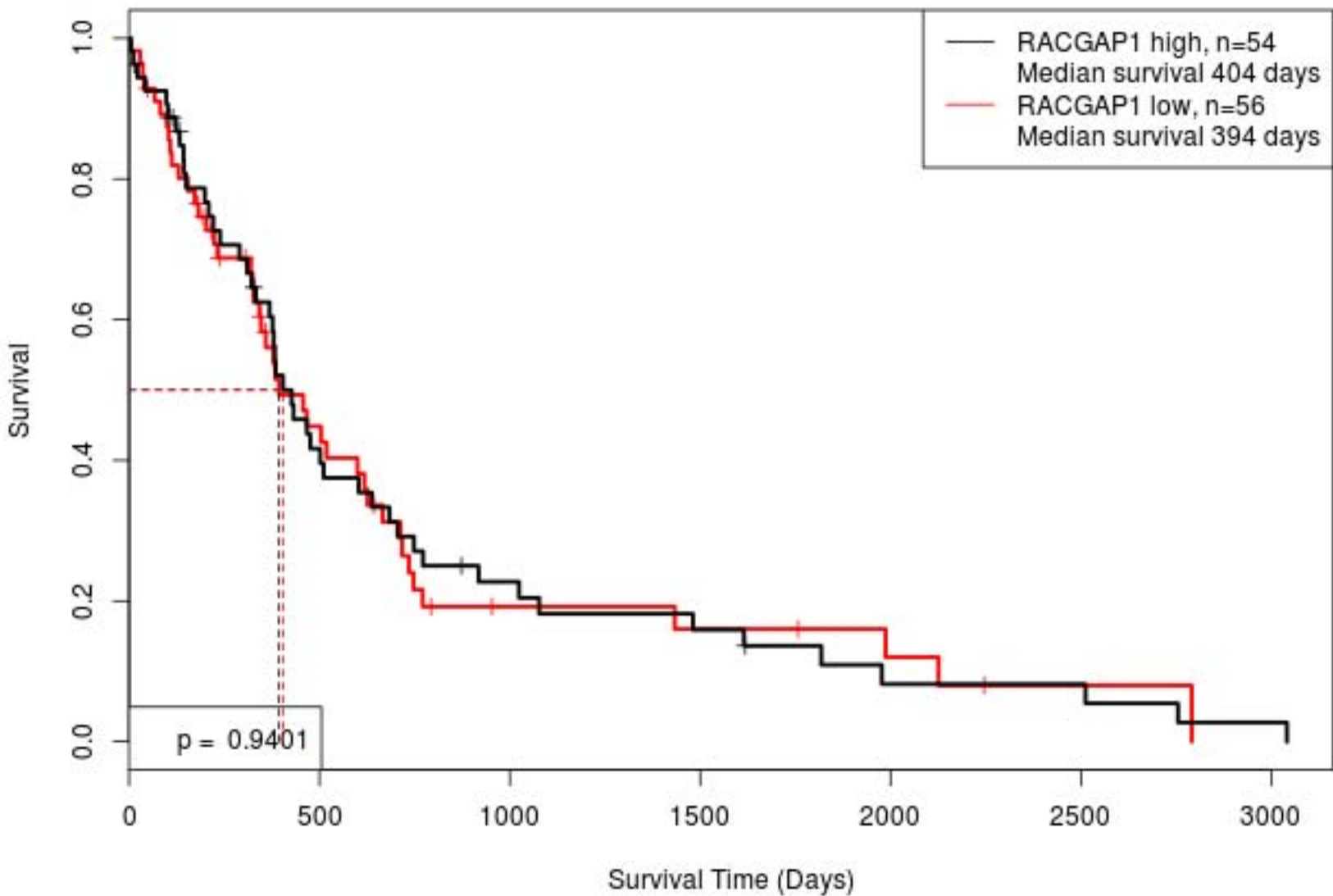




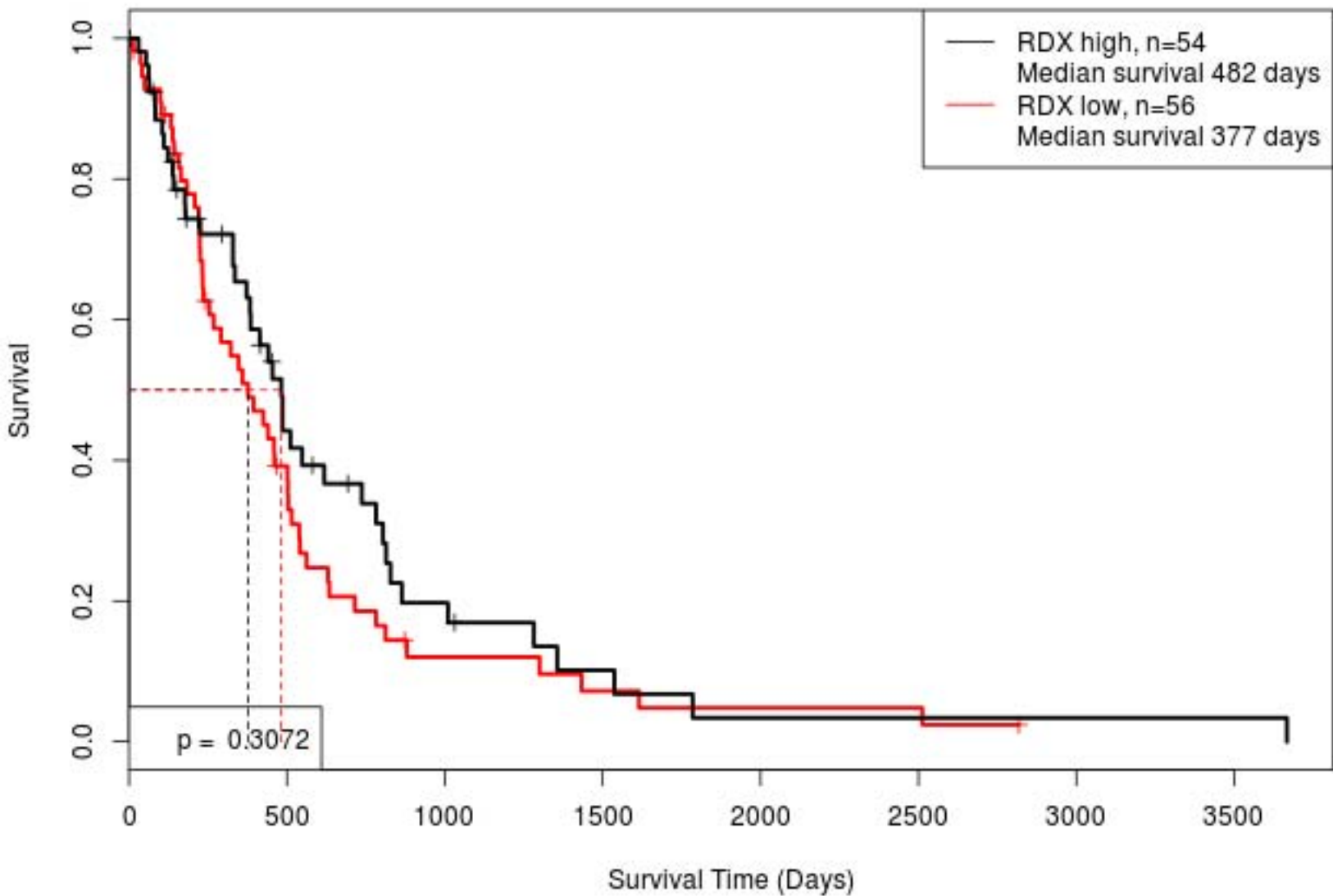


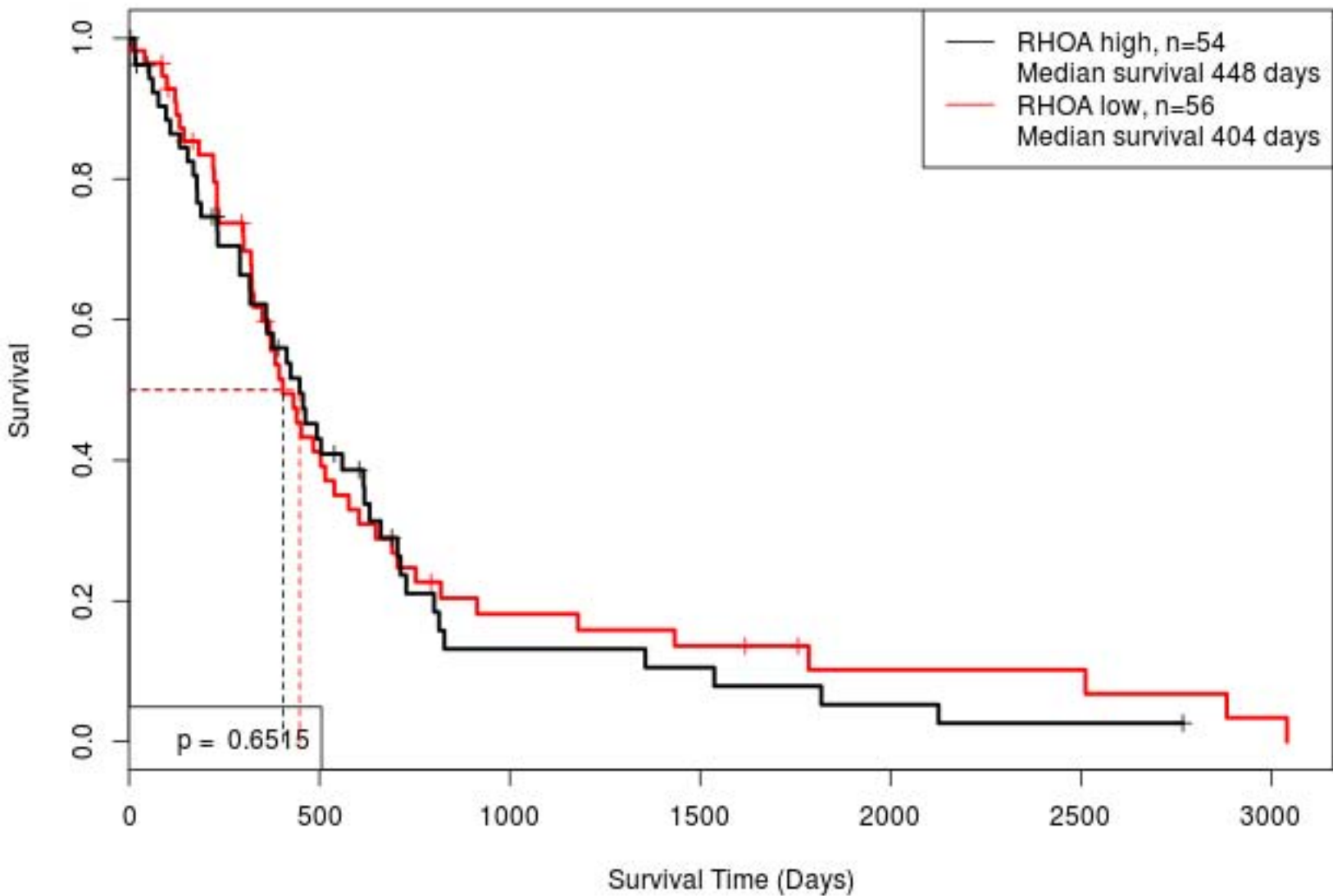


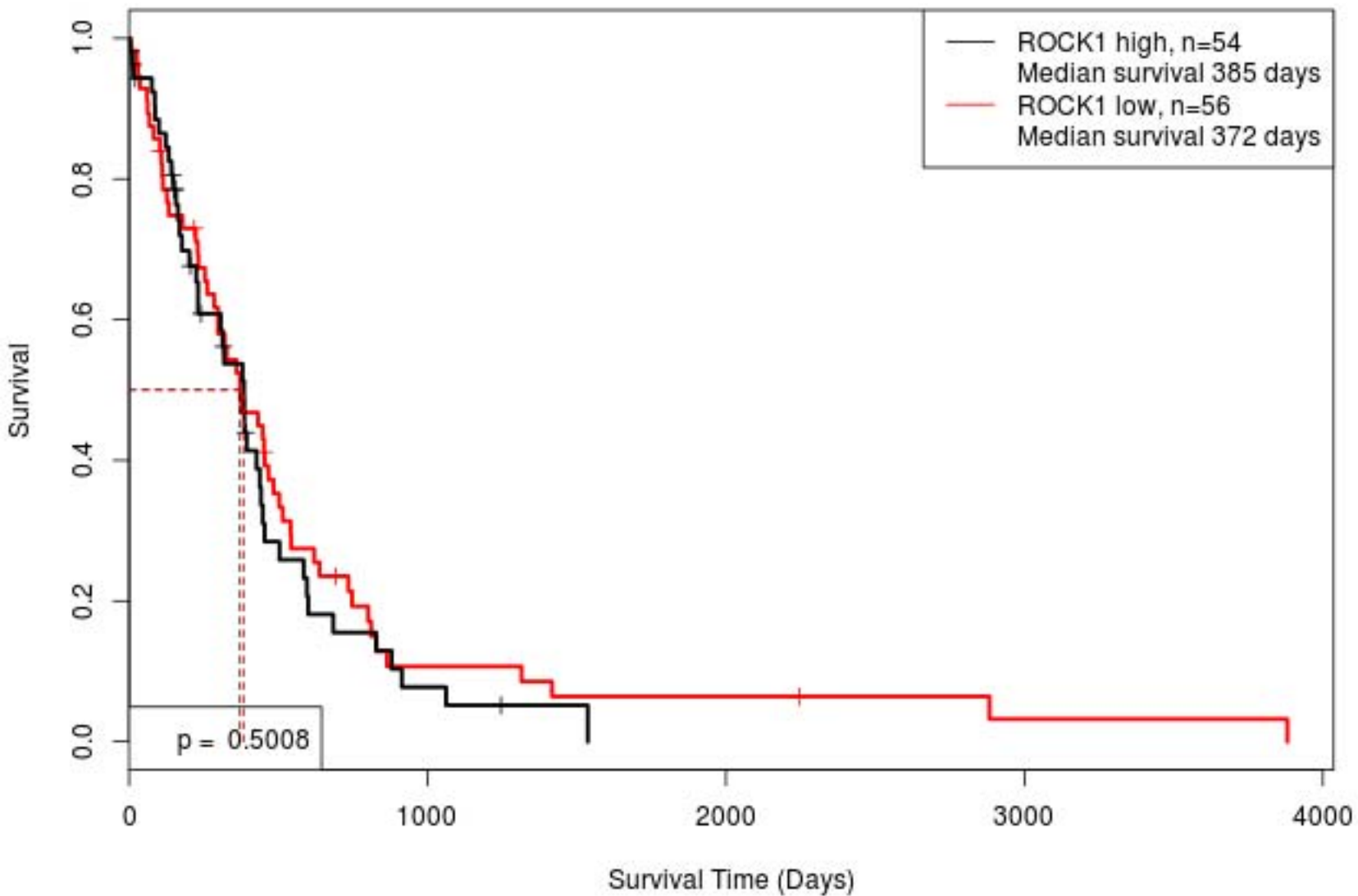


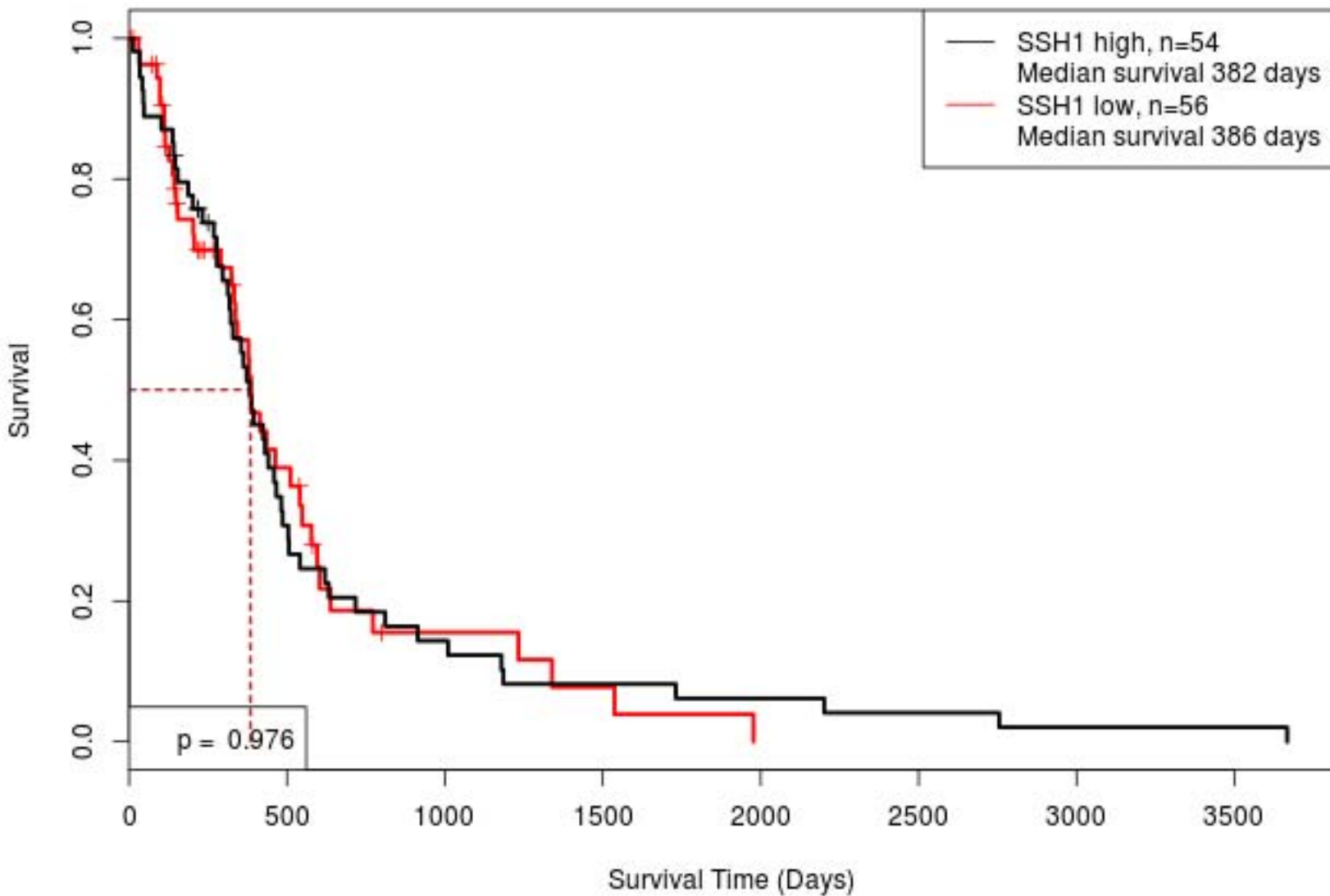


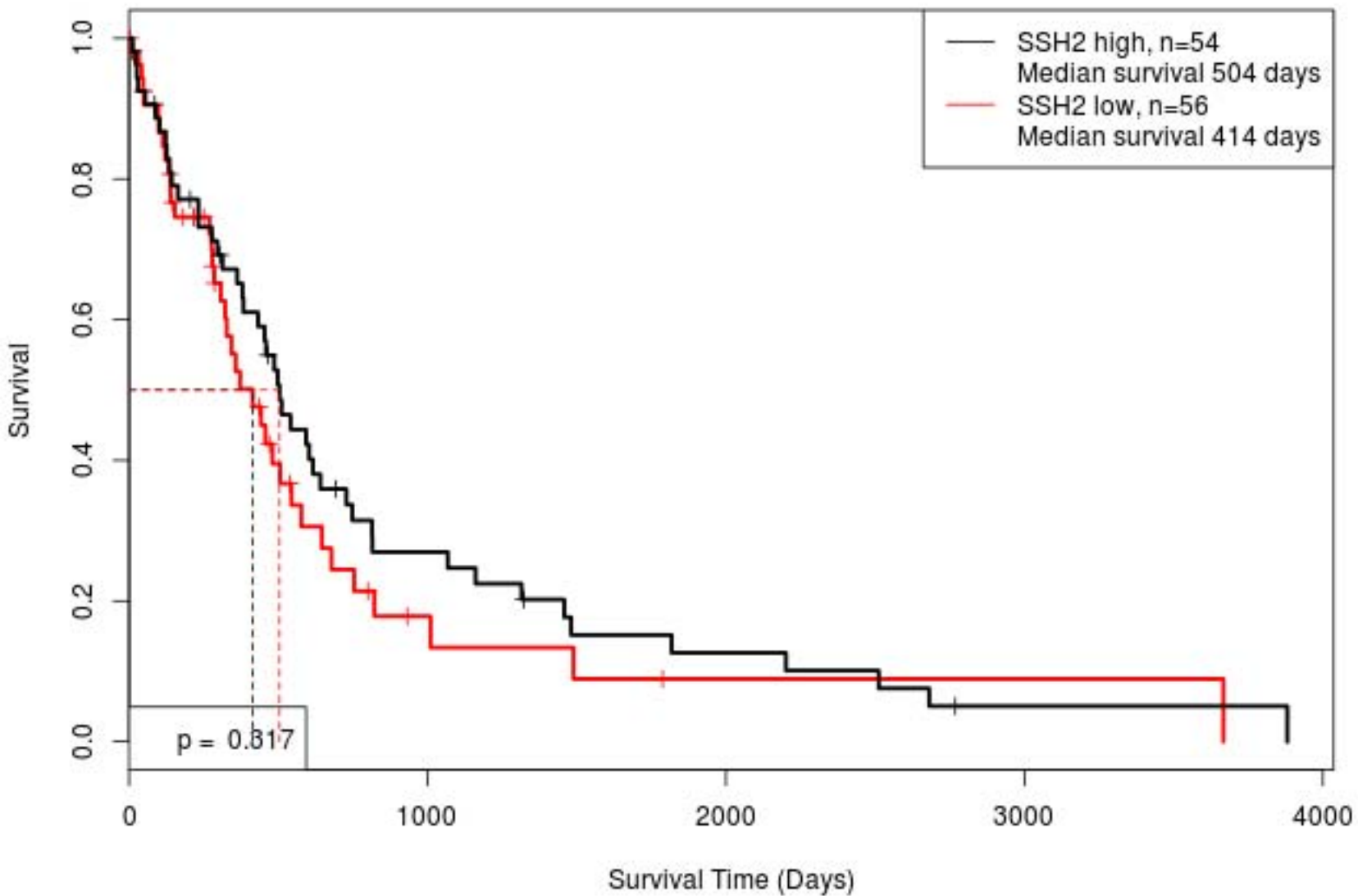


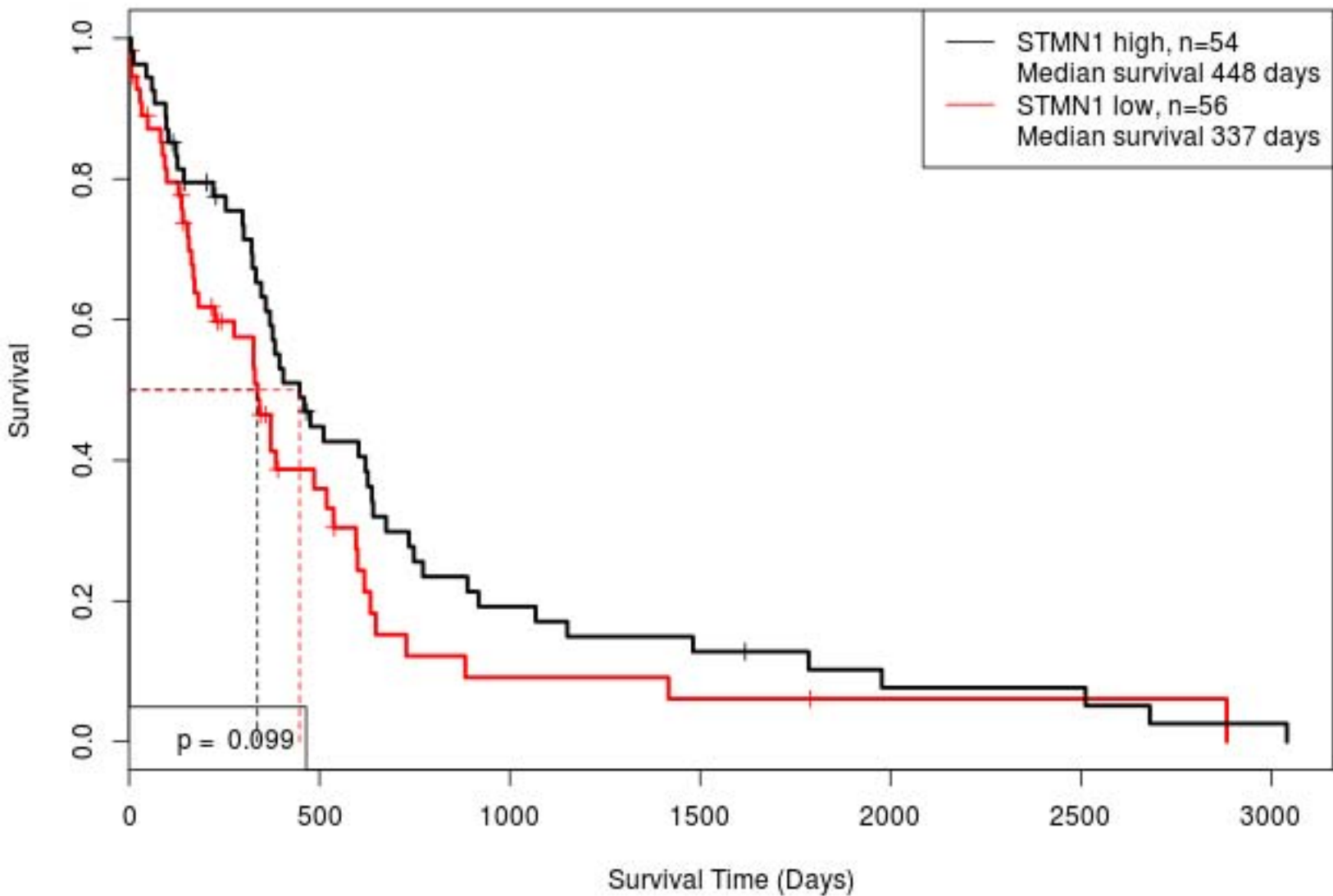


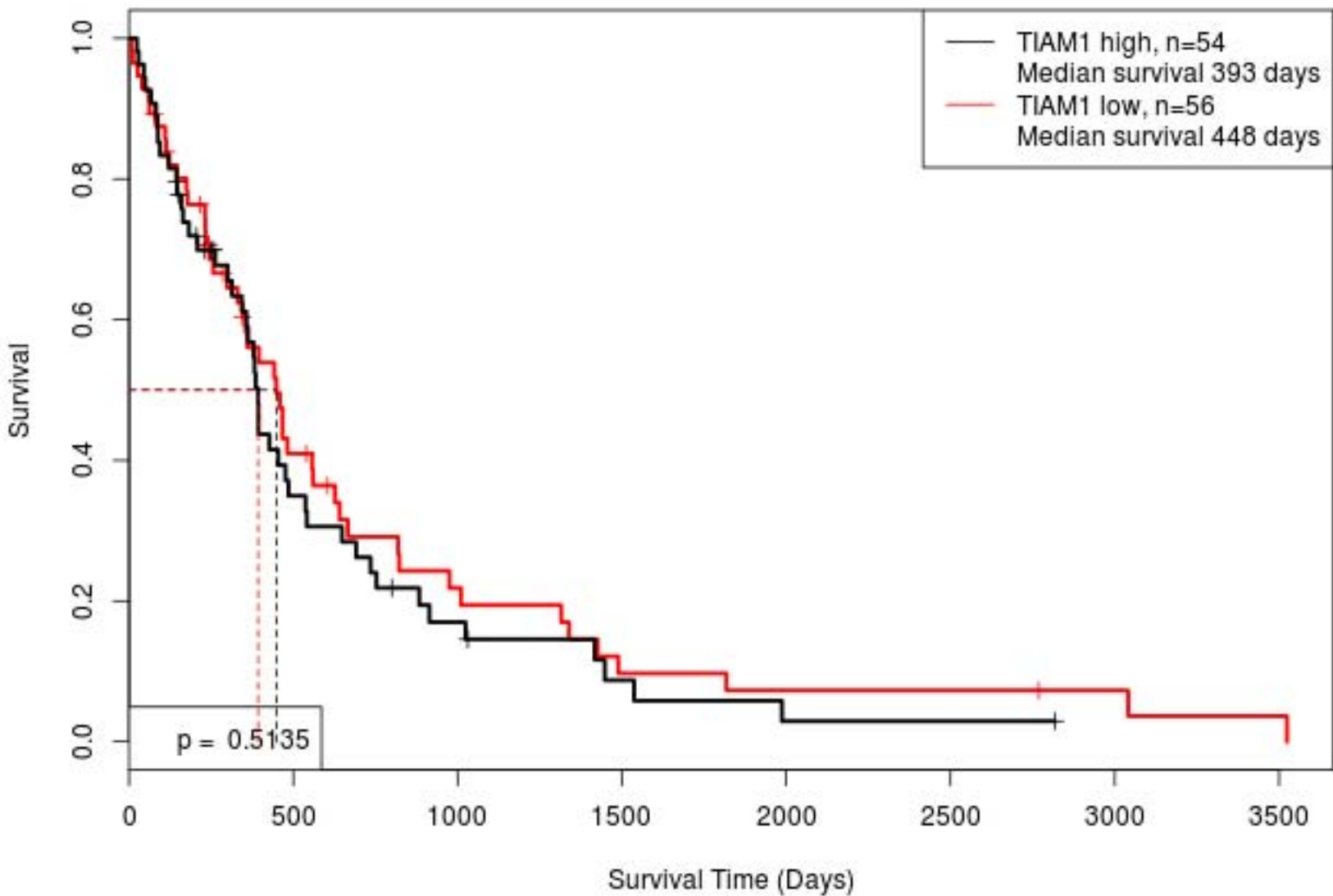


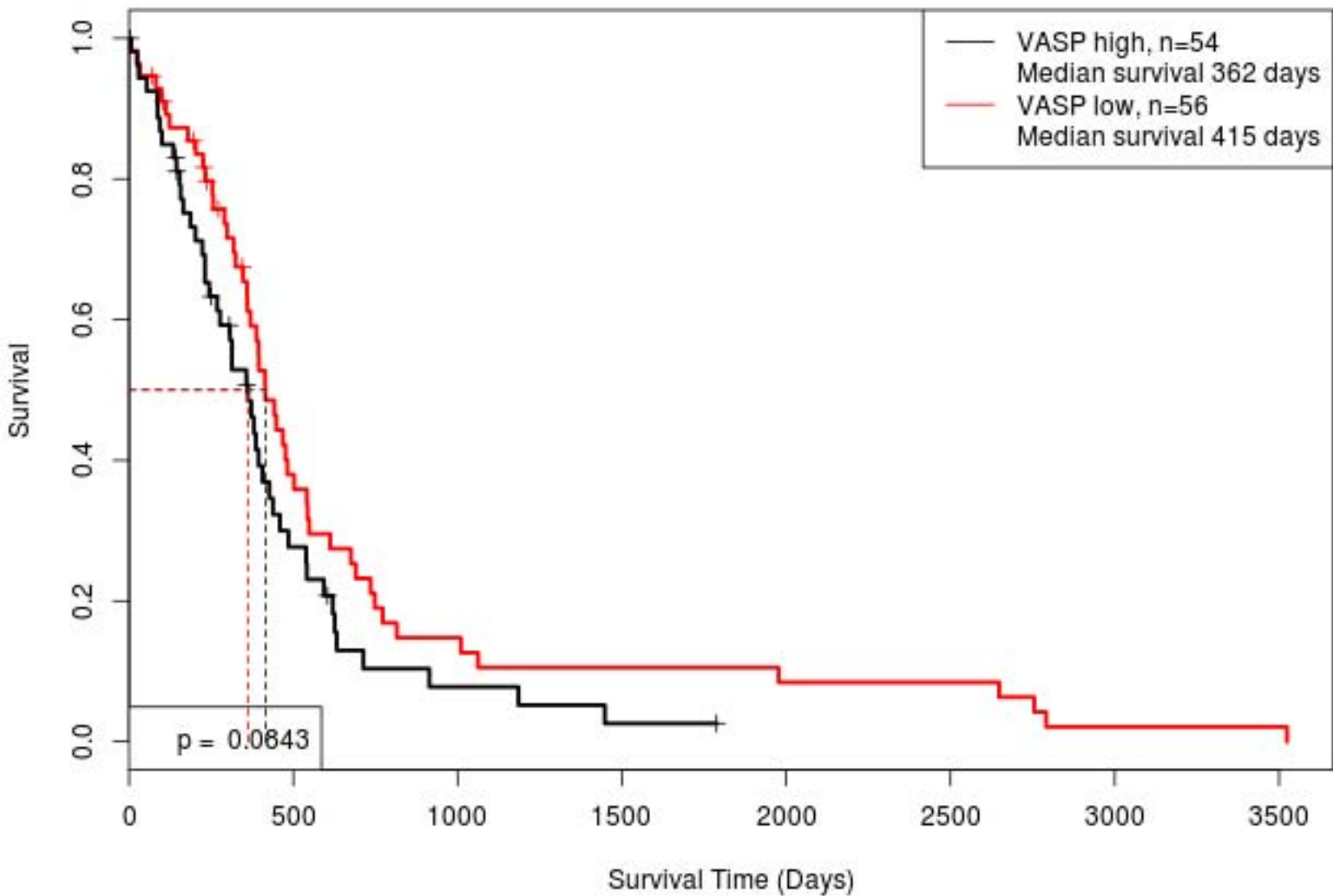




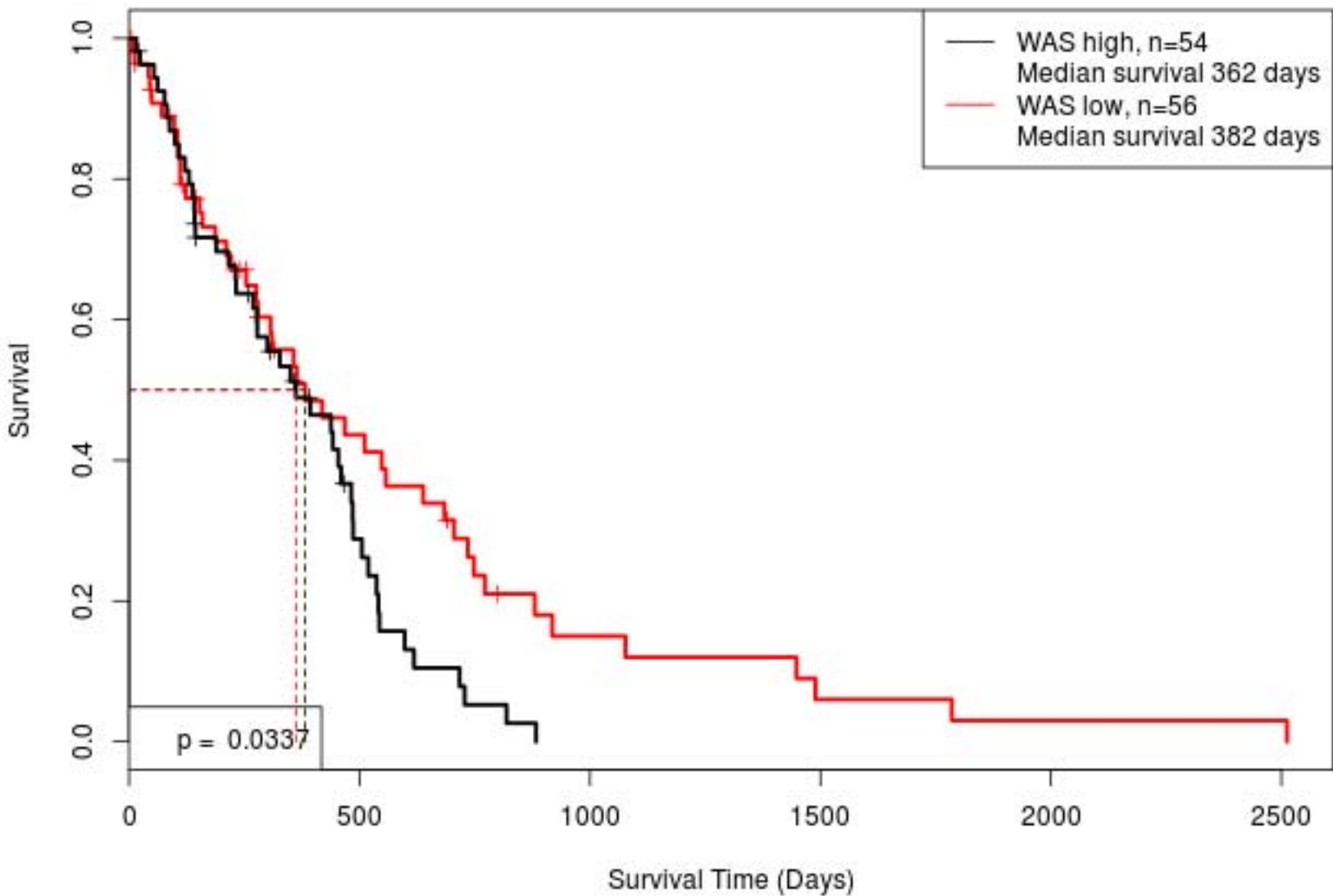


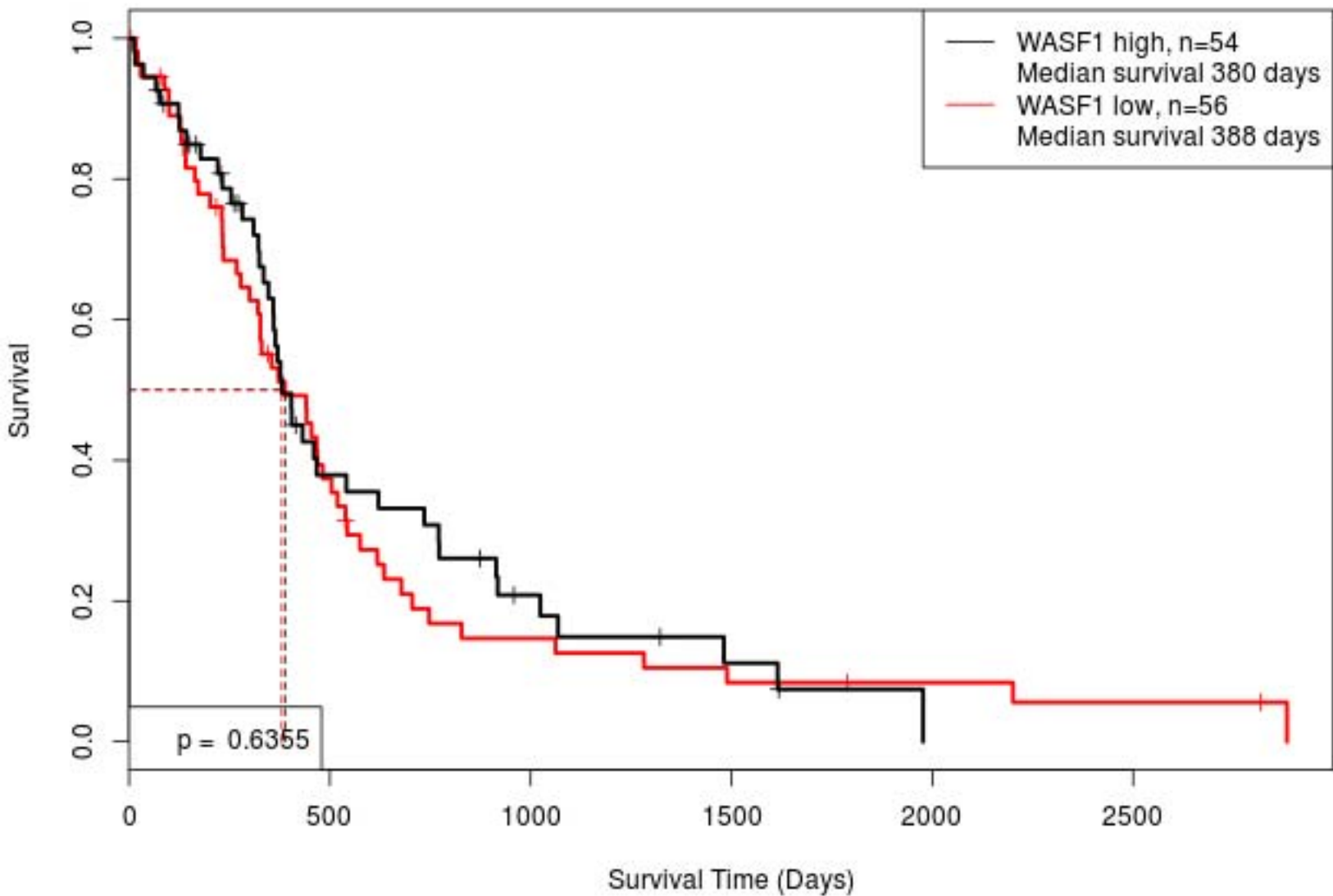


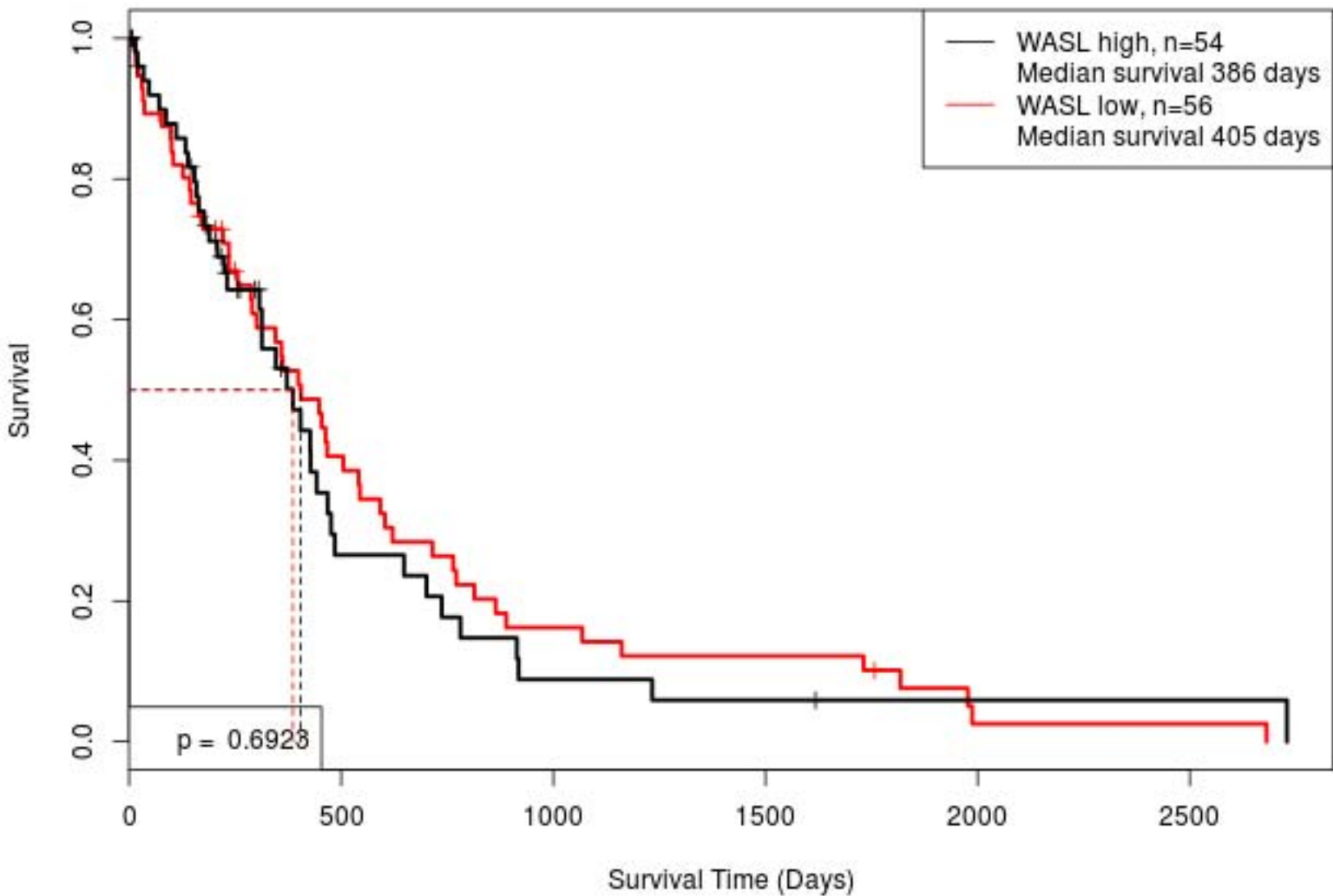








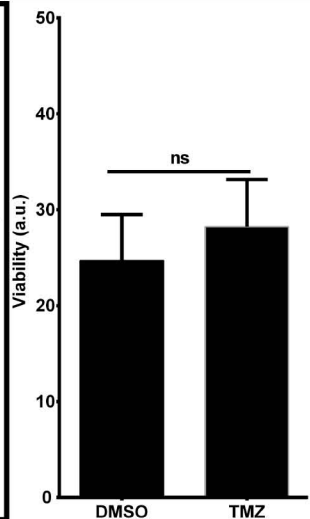




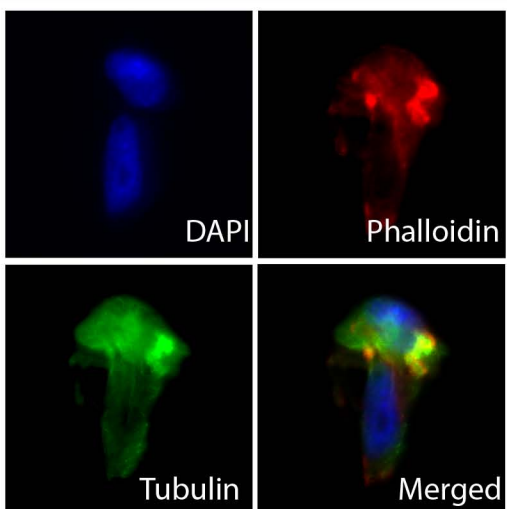
**Supplementary Figure 3.** Viability assay and immuno staining with anti-acetylated tubulin, phalloidin staining and DAPI staining of GBM cells exposed to sublethal concentration of temozolomide. Abbreviation: TMZ, temozolomide.

# Temozolomide Treatment and Cytoskeleton effect

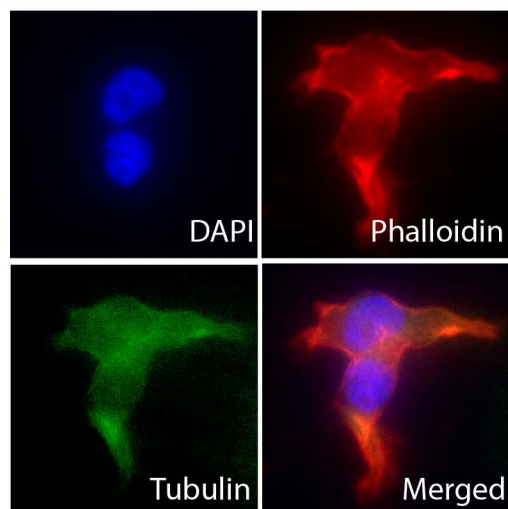
2 Days



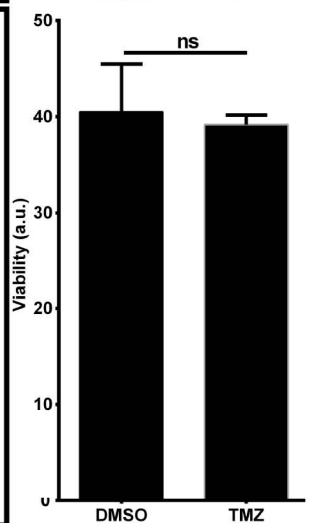
DMSO -2 Days



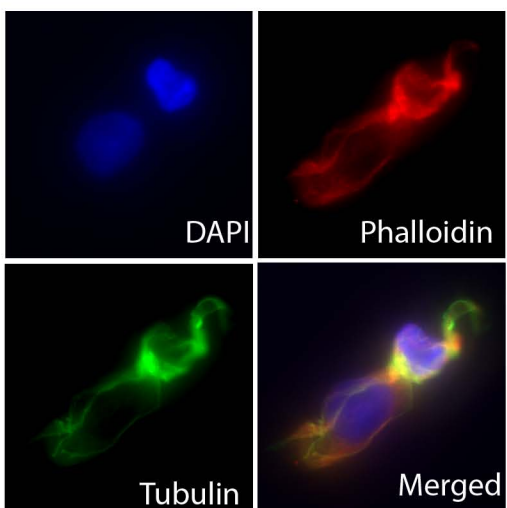
TMZ - 2 Days



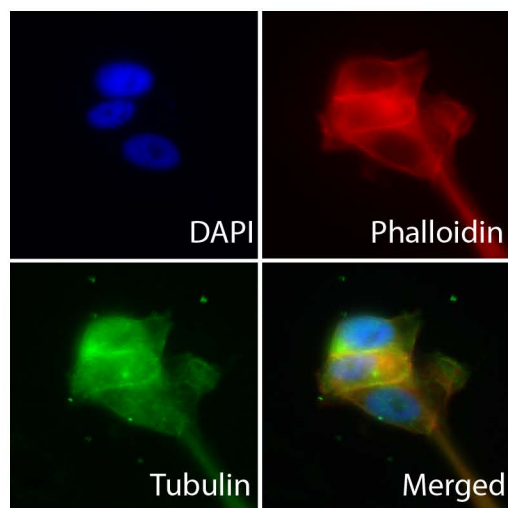
4 Days



DMSO 4 Days



TMZ - 4 Days



**Supplementary Table 1.** Gene list with fold change values and statistics (p-value) for all the datasets analysed here.

**Supplementary Table 1 showing Groups, Gene name and values for dataset used in Figure 1**

Group	Subgroup	Gene	Gene Name	Fold change (Tumor vs Normal)	p-paired (Tumor vs Normal)			
Actin Filaments	IP	ACTR2	ARP2 actin-related protein 2 homolog (yeast)	-1,073835449	0,455483458			
		ACTR3	ARP3 actin-related protein 3 homolog (yeast)	1,504270418	0,0009155			
		ARPC1B	Actin Related Protein 2/3 Complex, Subunit 1B	2,906922396	0,001863115			
		ARPC2	actin related protein 2/3 complex, subunit 2. 34kDa	1,079396338	0,176365232			
		ARPC3	actin related protein 2/3 complex, subunit 3. 21kDa	-1,044050354	0,643502179			
		ARPC4	actin related protein 2/3 complex, subunit 4. 20kDa	1,259909509	0,046854047			
		ARPC5	actin related protein 2/3 complex, subunit 5. 16kDa	1,409263608	0,00497167			
		CALD1	Caldesmon 1	3,205977129	1,40935E-05			
		CDC42EP3	CDC42 Effector Protein (Rho GTPase Binding) 3	-1,453285561	0,008479265			
		CFL1	cofilin 1 (non-muscle)	1,645596696	0,023982924			
		CYFIP1	cytoplasmic FMR1 interacting protein 1	1,404888717	0,025109081			
		CYFIP2	cytoplasmic FMR1 interacting protein 2	-4,810260509	1,06932E-09			
		DIAPH1	diaphanous-related formin 1	1,43994947	0,001519606			
		DSTN	destrin (actin depolymerizing factor)	-1,857782582	5,36051E-07			
		EZR	ezrin	N/A	N/A			
		FSCN2	fascin homolog 2, actin-bundling protein, retinal (Strongylocentrotus purpuratus)	N/A	N/A			
		GSN	gelsolin	1,112789136	0,709080846			
		IQGAP2	IQ Motif Containing GTPase Activating Protein 2	2,74804037	7,64335E-05			
		MACF1	Microtubule-Actin Crosslinking Factor 1	-1,167367445	0,259876985			
		PFN2	profilin 2	-2,16349467	0,000129815			
		RDX	radixin	2,764613092	0,000635606			
		SSH1	slingshot protein phosphatase 1	1,029327282	0,650872594			
		SSH2	slingshot protein phosphatase 2	1,169892989	0,277768942			
		WASF1	WAS protein family, member 1	-4,02396288	1,88158E-06			
		WASL	Wiskott-Aldrich syndrome-like	-1,068542555	0,501791705			
		VASP	vasodilator-stimulated phosphoprotein	1,525254084	0,002909487			
		Actin Filaments	OR	ARAP1	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1	N/A	N/A	
				ARFIP2	ADP-ribosylation factor interacting protein 2	1,333546786	0,017886494	
ARHGDB18	Rho GDP Dissociation Inhibitor (GDI) Beta			N/A	N/A			
ARHGGEF11	Rho guanine nucleotide exchange factor (GEF) 11			-1,335574534	0,044884968			
ARPC4	actin related protein 2/3 complex, subunit 4. 20kDa			1,259909509	0,046854047			
CASK	calcium/calmodulin-dependent serine protein kinase (MAGUK family)			2,513877779	7,90035E-05			
CDC42	cell division cycle 42			-1,698341557	1,81298E-05			
CDC42BPA	CDC42 binding protein kinase alpha (DMPK-like)			-1,432138592	0,000719385			
CFL1	cofilin 1 (non-muscle)			1,645596696	0,023982924			
CRK	v- <i>crk</i> sarcoma virus CT10 oncogene homolog (avian)			1,284086367	0,014514228			
DIAPH1	diaphanous-related formin 1			1,43994947	0,001519606			
DSTN	destrin (actin depolymerizing factor)			-1,857782582	5,36051E-07			
EZR	ezrin			N/A	N/A			
FSCN2	fascin homolog 2, actin-bundling protein, retinal (Strongylocentrotus purpuratus)			N/A	N/A			
GSN	gelsolin			1,112789136	0,709080846			
IQGAP1	IQ motif containing GTPase activating protein 1			2,74804037	7,64335E-05			
LIMK1	LIM domain kinase 1			-2,446843602	2,62139E-05			
LIMK2	LIM domain kinase 2			-1,028411463	0,761874097			
NCK1	NCK adaptor protein 1			1,618789345	0,000479158			
PFN2	profilin 2			-2,16349467	0,000129815			
RDX	radixin			2,764613092	0,000635606			
RHOA	ras homolog family member A			1,236798655	0,100369469			
ROCK1	Rho-associated, coiled-coil containing protein kinase 1			1,493960786	3,52551E-06			
SSH1	slingshot protein phosphatase 1			1,029327282	0,650872594			
SSH2	slingshot protein phosphatase 2			1,169892989	0,277768942			
Actin Filaments	P-D			ACTR3	ARP3 actin-related protein 3 homolog (yeast)	1,504270418	0,0009155	
				ARHGAP6	Rho GTPase activating protein 6	-1,133600022	0,437233372	
				ARPC1B	actin related protein 2/3 complex, subunit 1B. 41kDa	2,906922396	0,001863115	
		ARPC2	actin related protein 2/3 complex, subunit 2. 34kDa	1,079396338	0,176365232			
		ARPC3	actin related protein 2/3 complex, subunit 3. 21kDa	-1,044050354	0,643502179			
		ARPC4	actin related protein 2/3 complex, subunit 4. 20kDa	1,259909509	0,046854047			
		ARPC5	actin related protein 2/3 complex, subunit 5. 16kDa	1,409263608	0,00497167			
		CDC42EP2	CDC42 effector protein (Rho GTPase binding) 2	-3,468782451	2,68607E-07			
		DSTN	destrin (actin depolymerizing factor)	-1,857782582	5,36051E-07			
		FNBP1L	formin binding protein 1-like	1,691883081	0,00042507			
		GSN	gelsolin	1,112789136	0,709080846			
		NCK1	NCK adaptor protein 1	1,618789345	0,000479158			
		NCK2	NCK adaptor protein 2	-1,283161905	0,000300717			
		PFN2	profilin 2	-2,16349467	0,000129815			
		PIKFYVE	phosphoinositide kinase, FYVE finger containing	N/A	N/A			
		RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	1,368129899	0,006899561			
		WAS	Wiskott-Aldrich syndrome	-1,035461912	0,648709347			
		WASF1	WAS protein family, member 1	-4,02396288	1,88158E-06			
		WASL	Wiskott-Aldrich syndrome-like	-1,068542555	0,501791705			
		Microtubules	CC	ARFIP2	ADP-ribosylation factor interacting protein 2	1,333546786	0,017886494	
				CLASP1	cytoplasmic linker associated protein 1	-1,153968055	0,178087875	
				CTTN	cortactin	1,12049064	0,091010693	
				DSTN	destrin (actin depolymerizing factor)	-1,857782582	5,36051E-07	
				EZR	ezrin	N/A	N/A	
				LLGL1	lethal giant larvae homolog 1 (Drosophila)	-1,101158545	0,088364623	
				MAPRE1	microtubule-associated protein, RP/EB family, member 1	1,867360139	9,74618E-09	
				IP	CLASP1	cytoplasmic linker associated protein 1	-1,153968055	0,178087875
					CLASP2	cytoplasmic linker associated protein 2	-2,223009787	2,1733E-06
CLIP1	CAP-GLY domain containing linker protein 1				-1,540032252	0,004227699		
CLIP2	CAP-GLY domain containing linker protein 2				1,637255249	0,056297992		
MACF1	microtubule-actin crosslinking factor 1				-1,167367445	0,259876985		
MAP4	microtubule-associated protein 4		2,026102822		0,000342443			
MAPRE1	microtubule-associated protein, RP/EB family, member 1		1,867360139		9,74618E-09			
MAPRE2	microtubule-associated protein, RP/EB family, member 2		-1,350502445		0,005877551			
MAPT	microtubule-associated protein tau		-2,092003283		0,000123241			
MID1	midline 1 (Opitz/BBB syndrome)		2,164802551		0,004733856			
RACGAP1	Rac GTPase activating protein 1		3,5627358		1,31235E-05			
STMN1	stathmin 1		-1,612619976		0,00719846			
Microtubules	OR		CLASP1	cytoplasmic linker associated protein 1	-1,153968055	0,178087875		
			MAPT	microtubule-associated protein tau	-2,092003283	0,000123241		
			MID1	midline 1 (Opitz/BBB syndrome)	2,164802551	0,004733856		
			PHLDB2	pleckstrin homology-like domain, family B, member 2	-1,13353699	0,702215381		
	STMN1		stathmin 1	-1,612619976	0,00719846			
	P-D		CLASP1	cytoplasmic linker associated protein 1	-1,153968055	0,178087875		
			CLASP2	cytoplasmic linker associated protein 2	-2,223009787	2,1733E-06		
			MAP4	microtubule-associated protein 4	2,026102822	0,000342443		
MAPRE1			microtubule-associated protein, RP/EB family, member 1	1,867360139	9,74618E-09			
SP	MAPRE2	microtubule-associated protein, RP/EB family, member 2	-1,350502445	0,005877551				
	MAPT	microtubule-associated protein tau	-2,092003283	0,000123241				
	STMN1	stathmin 1	-1,612619976	0,00719846				
	AURKA	aurora kinase A	3,667852103	8,01778E-05				
AURKB	aurora kinase B	N/A	N/A					
CLASP1	cytoplasmic linker associated protein 1	-1,153968055	0,178087875					
CLASP2	cytoplasmic linker associated protein 2	-2,223009787	2,1733E-06					
CLIP1	CAP-GLY domain containing linker protein 1	-1,540032252	0,004227699					

Projections	AX	MAPRE1	microtubule-associated protein, RP/EB family, member 1	1,867360139	9,74618E-09	
		RACGAP1	Rac GTPase activating protein 1	3,5627358	1,31235E-05	
	FL	<b>Fold change (Tumor vs Normal)</b>		<b>p-paired (Tumor vs Normal)</b>		
		BAIAP2	BAI1-associated protein 2	-2,009296693	4,14814E-11	
		CDK5	cyclin-dependent kinase 5	-2,055868754	0,000117232	
		CDK5R1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	-2,856023697	7,39998E-08	
		CYFIP1	cytoplasmic FMR1 interacting protein 1	1,404888717	0,025109081	
	G	CYFIP2	cytoplasmic FMR1 interacting protein 2	-4,810260509	1,06932E-09	
		MAPT	microtubule-associated protein tau	-2,092003283	0,000123241	
		<b>Fold change (Tumor vs Normal)</b>		<b>p-paired (Tumor vs Normal)</b>		
		ARAP1	BAI1-associated protein 2	N/A	N/A	
		BAIAP2	BAI1-associated protein 2	-2,009296693	4,14814E-11	
	LAM	CDC42	cell division cycle 42	-1,698341557	1,81298E-05	
		CDK5	cyclin-dependent kinase 5	-2,055868754	0,000117232	
		EZR	ezrin	N/A	N/A	
		MSN	moesin	2,808453914	0,000121129	
		RDX	radixin	2,764613092	0,000635606	
	MV	<b>Fold change (Tumor vs Normal)</b>		<b>p-paired (Tumor vs Normal)</b>		
		CDK5	cyclin-dependent kinase 5	-2,055868754	0,000117232	
		CDK5R1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	-2,856023697	7,39998E-08	
		MAPT	microtubule-associated protein tau	-2,092003283	0,000123241	
		<b>Fold change (Tumor vs Normal)</b>		<b>p-paired (Tumor vs Normal)</b>		
		ACTR3	ARP3 actin-related protein 3 homolog (yeast)	1,504270418	0,0009155	
		ARFIP2	ADP-ribosylation factor interacting protein 2	1,333546786	0,017886494	
		ARPC5	actin related protein 2/3 complex, subunit 5, 16kDa	1,409263608	0,00497167	
		CDK5	cyclin-dependent kinase 5	-2,055868754	0,000117232	
		CTTN	cortactin	1,12049064	0,091010693	
		CYFIP1	cytoplasmic FMR1 interacting protein 1	1,404888717	0,025109081	
		CYFIP2	cytoplasmic FMR1 interacting protein 2	-4,810260509	1,06932E-09	
		P	NCK1	NCK adaptor protein 1	1,618789345	0,000479158
	PPP1R12A		protein phosphatase 1, regulatory subunit 12A	-1,18774202	0,029222005	
	PPP1R12B		protein phosphatase 1, regulatory subunit 12B	-2,094004198	1,6679E-06	
	RAC1		ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	1,368129899	0,006899561	
RDX	radixin		2,764613092	0,000635606		
WASL	Wiskott-Aldrich syndrome-like		-1,068542555	0,501791705		
<b>Fold change (Tumor vs Normal)</b>			<b>p-paired (Tumor vs Normal)</b>			
EZR	ezrin		N/A	N/A		
MSN	moesin		2,808453914	0,000121129		
RDX	radixin		2,764613092	0,000635606		
RF	<b>Fold change (Tumor vs Normal)</b>		<b>p-paired (Tumor vs Normal)</b>			
	CDC42		cell division cycle 42	-1,698341557	1,81298E-05	
CDC42EP2	CDC42 effector protein (Rho GTPase binding) 2		-3,468782451	2,68607E-07		
CS-S-P	<b>Fold change (Tumor vs Normal)</b>		<b>p-paired (Tumor vs Normal)</b>			
	ARFIP2	ADP-ribosylation factor interacting protein 2	1,333546786	0,017886494		
	CTTN	cortactin	1,12049064	0,091010693		
	CYFIP1	cytoplasmic FMR1 interacting protein 1	1,404888717	0,025109081		
	CYFIP2	cytoplasmic FMR1 interacting protein 2	-4,810260509	1,06932E-09		
	EZR	ezrin	N/A	N/A		
	RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	1,368129899	0,006899561		
	RDX	radixin	2,764613092	0,000635606		
	<b>Fold change (Tumor vs Normal)</b>		<b>p-paired (Tumor vs Normal)</b>			
	ARAP1	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1	N/A	N/A		
ARHGEF11	Rho guanine nucleotide exchange factor (GEF) 11	-1,335574534	0,044884968			
CDC42	cell division cycle 42	-1,698341557	1,81298E-05			
CDC42EP2	CDC42 effector protein (Rho GTPase binding) 2	-3,468782451	2,68607E-07			
CDC42EP3	CDC42 effector protein (Rho GTPase binding) 3	-1,453285561	0,008479265			
CLASP1	cytoplasmic linker associated protein 1	-1,153968055	0,178087875			
CLASP2	cytoplasmic linker associated protein 2	-2,223009787	2,1733E-06			
CYFIP1	cytoplasmic FMR1 interacting protein 1	1,404888717	0,025109081			
CYFIP2	cytoplasmic FMR1 interacting protein 2	-4,810260509	1,06932E-09			
EZR	ezrin	N/A	N/A			
LLGL1	lethal giant larvae homolog 1 (Drosophila)	-1,101158545	0,088364623			
MARK2	MAP/microtubule affinity-regulating kinase 2	-1,602813134	0,00113748			
MYLK2	myosin light chain kinase 2	-1,036532339	0,818797793			
SSH1	slingshot protein phosphatase 2	1,029327282	0,650872594			
CMM	<b>Fold change (Tumor vs Normal)</b>		<b>p-paired (Tumor vs Normal)</b>			
	ACTR2	ARP2 actin-related protein 2 homolog (yeast)	-1,073835449	0,455483458		
	ACTR3	ARP3 actin-related protein 3 homolog (yeast)	1,504270418	0,0009155		
	ARAP1	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1	N/A	N/A		
	ARFIP2	ADP-ribosylation factor interacting protein 2	1,333546786	0,017886494		
	ARHGDB18	Rho GDP Dissociation Inhibitor (GDI) Beta	N/A	N/A		
	ARHGEF11	Rho guanine nucleotide exchange factor (GEF) 11	-1,335574534	0,044884968		
	ARPC1B	actin related protein 2/3 complex, subunit 1B, 41kDa	2,906922396	0,001863115		
	ARPC2	actin related protein 2/3 complex, subunit 2, 34kDa	1,079396338	0,176365232		
	ARPC3	actin related protein 2/3 complex, subunit 3, 21kDa	-1,044050354	0,643502179		
	ARPC5	actin related protein 2/3 complex, subunit 5, 16kDa	1,409263608	0,00497167		
	CALD1	caldesmon 1	3,205977129	1,40935E-05		
	CDK5	cyclin-dependent kinase 5	-2,055868754	0,000117232		
	CDK5R1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	-2,856023697	7,39998E-08		
	DSTN	destrin (actin depolymerizing factor)	-1,857782582	5,36051E-07		
	MSN	moesin	2,808453914	0,000121129		
	NCK1	NCK adaptor protein 1	1,618789345	0,000479158		
	PAK4	p21 protein (Cdc42/Rac)-activated kinase 4	1,192387393	0,054052728		
	RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	1,368129899	0,006899561		
	ROCK1	Rho-associated, coiled-coil containing protein kinase 1	1,493960786	3,52551E-06		
	WASF1	WAS protein family, member 1	-4,02396288	1,88158E-06		
	WASL	Wiskott-Aldrich syndrome-like	-1,068542555	0,501791705		
	Cell Cycle	<b>Fold change (Tumor vs Normal)</b>		<b>p-paired (Tumor vs Normal)</b>		
AURKA		aurora kinase A	3,667852103	8,01778E-05		
AURKB		aurora kinase B	N/A	N/A		
CCNA1		cyclin A1	-5,183452848	3,92901E-08		
CCNB2		cyclin B2	10,1492354	0,000334039		
CIT		citron (rho-interacting, serine/threonine kinase 21)	-2,7196239	1,94279E-05		
CLASP1		cytoplasmic linker associated protein 1	-1,153968055	0,178087875		
CLASP2		cytoplasmic linker associated protein 2	-2,223009787	2,1733E-06		
CLIP1		CAP-GLY domain containing linker protein 1	-1,540032252	0,004227699		
MAPRE1		microtubule-associated protein, RP/EB family, member 1	1,867360139	9,74618E-09		
MAPRE2		microtubule-associated protein, RP/EB family, member 2	-1,350502445	0,005877551		
<b>Fold change (Tumor vs Normal)</b>		<b>p-paired (Tumor vs Normal)</b>				
ARHGEF11		Rho guanine nucleotide exchange factor (GEF) 11	-1,335574534	0,044884968		
AURKB		aurora kinase B	N/A	N/A		
AURKC		aurora kinase C	1,666446974	0,028995905		
DSTN	destrin (actin depolymerizing factor)	-1,857782582	5,36051E-07			
RACGAP1	Rac GTPase activating protein 1	3,5627358	1,31235E-05			
ROCK1	Rho-associated, coiled-coil containing protein kinase 1	1,493960786	3,52551E-06			
Cal	<b>Fold change (Tumor vs Normal)</b>		<b>p-paired (Tumor vs Normal)</b>			
	BAIAP2	BAI1-associated protein 2	-2,009296693	4,14814E-11		
	MSN	moesin	2,808453914	0,000121129		
	NCK1	NCK adaptor protein 1	1,618789345	0,000479158		
	NCK2	NCK adaptor protein 2	-1,283161905	0,000300717		
PAK1	p21 protein (Cdc42/Rac)-activated kinase 1	-3,411655019	1,93631E-06			
<b>Fold change (Tumor vs Normal)</b>		<b>p-paired (Tumor vs Normal)</b>				



		CALD1	caldesmon 1	3,205977129	1,40935E-05
		CALM1	calmodulin 1 (phosphorylase kinase, delta)	-2,035309518	1,27552E-05
		CASK	calcium/calmodulin-dependent serine protein kinase (MAGUK family)	2,513877779	7,90035E-05
		IQGAP1	IQ motif containing GTPase activating protein 1	2,74804037	7,64335E-05
		IQGAP2	IQ motif containing GTPase activating protein 2	8,329465659	0,000618624
		MYLK	myosin light chain kinase	-1,796372626	0,000510053
		MYLK2	myosin light chain kinase 2	-1,036532339	0,818797793
		PPP3CA	protein phosphatase 3, catalytic subunit, alpha isozyme	-4,359838933	6,14416E-08
		PPP3CB	protein phosphatase 3, catalytic subunit, beta isozyme	-4,105229363	1,18517E-09
<b>G-Prot</b>	<b>G-Prot</b>			<b>Fold change (Tumor vs Normal)</b>	<b>p-paired (Tumor vs Normal)</b>
		ARAP1	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1	N/A	N/A
		ARFIP2	ADP-ribosylation factor interacting protein 2	1,333546786	0,017886494
		ARHGAP6	Rho GTPase activating protein 6	-1,133600022	0,437233372
		ARHGDI8	Rho GDP Dissociation Inhibitor (GDI) Beta	N/A	N/A
		ARHGDF11	Rho guanine nucleotide exchange factor (GEF) 11	-1,335574534	0,044884968
		CDC42	cell division cycle 42	-1,698341557	1,81298E-05
		CDC42EP2	CDC42 effector protein (Rho GTPase binding) 2	-3,468782451	2,68607E-07
		CFL1	cofilin 1 (non-muscle)	1,645596696	0,023982924
		CIT	citron (rho-interacting, serine/threonine kinase 21)	-2,7196239	1,94279E-05
		CYFIP1	cytoplasmic FMR1 interacting protein 1	1,404888717	0,025109081
		CYFIP2	cytoplasmic FMR1 interacting protein 2	-4,810260509	1,06932E-09
		DIAPH1	diaphanous-related formin 1	1,43994947	0,001519606
		IQGAP1	IQ motif containing GTPase activating protein 1	2,74804037	7,64335E-05
		IQGAP2	IQ motif containing GTPase activating protein 2	8,329465659	0,000618624
		LIMK1	LIM domain kinase 1	-2,446843602	2,62139E-05
		LIMK2	LIM domain kinase 2	-1,028411463	0,761874097
		MAPK13	mitogen-activated protein kinase 13	-1,132843673	0,101824605
		RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	1,368129899	0,006899561
		RACGAP1	Rac GTPase activating protein 1	3,5627358	1,31235E-05
RHOA	ras homolog family member A	1,236798655	0,100369469		
ROCK1	Rho-associated, coiled-coil containing protein kinase 1	1,493960786	3,52551E-06		
TIAM1	T-cell lymphoma invasion and metastasis 1	-1,873195325	2,35526E-06		
WAS	Wiskott-Aldrich syndrome	-1,035461912	0,648709347		
WASL	Wiskott-Aldrich syndrome-like	-1,068542555	0,501791705		
<b>Kin &amp; Pho</b>	<b>Kin &amp; Pho</b>			<b>Fold change (Tumor vs Normal)</b>	<b>p-paired (Tumor vs Normal)</b>
		AURKA	aurora kinase A	3,667852103	8,01778E-05
		AURKB	aurora kinase B	N/A	N/A
		AURKC	aurora kinase C	1,666346974	0,028995905
		CASK	calcium/calmodulin-dependent serine protein kinase (MAGUK family)	2,513877779	7,90035E-05
		CDC42BPA	CDC42 binding protein kinase alpha (DMPK-like)	-1,432138592	0,000719385
		CDK5	cyclin-dependent kinase 5	-2,05868754	0,000117232
		CDK5R1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	-2,856023697	7,39998E-08
		CIT	citron (rho-interacting, serine/threonine kinase 21)	-2,7196239	1,94279E-05
		LIMK1	LIM domain kinase 1	-2,446843602	2,62139E-05
		LIMK2	LIM domain kinase 2	-1,028411463	0,761874097
		MAP3K11	mitogen-activated protein kinase kinase kinase 11	1,092101239	0,279951147
		MAPK13	mitogen-activated protein kinase 13	-1,132843673	0,101824605
		MARK2	MAP/microtubule affinity-regulating kinase 2	-1,602813134	0,00113748
		MYLK	myosin light chain kinase	-1,796372626	0,000510053
		MYLK2	myosin light chain kinase 2	-1,036532339	0,818797793
		PAK1	p21 protein (Cdc42/Rac)-activated kinase 1	-3,411655019	1,93631E-06
		PAK4	p21 protein (Cdc42/Rac)-activated kinase 4	1,192387393	0,054052728
		PPP1R12A	protein phosphatase 1, regulatory subunit 12A	-1,18774202	0,102922005
		PPP1R12B	protein phosphatase 1, regulatory subunit 12B	-2,094004198	1,6679E-06
PPP3CA	protein phosphatase 3, catalytic subunit, alpha isozyme	-4,359838933	6,14416E-08		
PPP3CB	protein phosphatase 3, catalytic subunit, beta isozyme	-4,105229363	1,18517E-09		
ROCK1	Rho-associated, coiled-coil containing protein kinase 1	1,493960786	3,52551E-06		
SSH1	slingshot protein phosphatase 1	1,029327282	0,650872594		
SSH2	slingshot protein phosphatase 2	1,169892989	0,277768942		

Supplementary Table 1 showing Groups, Gene name and values for dataset used in Figure 2

Group	Sub-Group	Gene	Gene Name	Fold change (GSM vs Normal)	p-value (GSM vs Normal)	Fold change (GSM C133 vs Normal C133)	p-value (GSM C133 vs Normal C133)	Fold change (GSM C133 vs Normal C133)	p-value (GSM C133 vs Normal C133)		
Actin	Actin	ACTB	Actin beta	1.4264328	0.1729048	1.140919	0.8304251	1.3797604	0.2114283		
		ACTG1	Actin gamma 1	1.1882852	0.749025	1.262802	0.4618028	1.217982	0.264677		
		ACTA1	Actin related protein 2/1 complex, subunit 1	1.05897756	0.1729048	1.1362847	0.5614725	1.5827886	0.121209		
		ARPC1	actin related protein 2/1 complex, subunit 2	1.21594813	0.1729048	1.21594813	0.1729048	1.4199715	0.1686745		
		ARPC2	actin related protein 2/1 complex, subunit 3	1.2897747	0.1729048	1.3970752	0.0466445	1.3878153	0.4241307		
		ARPC3	actin related protein 2/1 complex, subunit 4	1.282788159	0.1729048	1.282788159	0.1729048	1.282788159	0.1729048		
		ARPC4	actin related protein 2/1 complex, subunit 5	1.1705644	0.4307282	1.07083644	0.87485425	1.1255587	0.3381179		
		CDL2	cell division cycle 2	1.21213717	0.0513759	1.21213717	0.0513759	0.969529	0.2025129		
		CDL3	CD242 effector protein (rho GTPase binding 3)	1.37689809	0.0014339	1.4590424	0.0281682	3.02411686	0.0443504		
		COL1A1	collagen 1 (non-muscle)	1.5981635	0.0046159	1.7261729	0.1770092	2.3613036	0.0800196		
Actin	Actin	CTNNA1	catenin (plasma membrane) interacting protein 1	2.71276252	0.0007746	2.71276252	0.0007746	2.71276252	0.0007746		
		CTNNA2	catenin (plasma membrane) interacting protein 2	1.74410254	0.0098185	1.5138418	0.2804931	2.0081885	0.1292878		
		CTNNA3	catenin (plasma membrane) interacting protein 3	1.04651257	0.1729048	1.04651257	0.1729048	1.0855386	0.2624893		
		CTNNA4	catenin (plasma membrane) interacting protein 4	1.40866567	0.0513759	1.5013263	0.09751562	1.44211289	0.03061673		
		CTNNA5	catenin (plasma membrane) interacting protein 5	1.44706412	0.0014339	1.44706412	0.0014339	1.63070625	0.24340896		
		ESR1	estrogen receptor	1.60217511	0.0014339	1.4310658	0.39710827	1.8004889	0.1340466		
		ESR2	estrogen receptor	1.00029151	0.1729048	1.1309898	0.1729048	1.2187455	0.1752598		
		IQGAP1	IQ motif containing GTPase activating protein 1	1.44235638	0.2844188	1.4025471	0.4865509	1.4847953	0.6830394		
		MLK1	microtubule-actin crosslinking factor 1	1.5471721	0.3471727	1.4083856	0.9572949	1.0638763	0.2153104		
		PRK2	protein tyrosine kinase 2	1.0587495	0.1729048	1.0587495	0.1729048	1.0587495	0.1729048		
Actin	Actin	RAF1	raf-1	1.23278657	0.14377081	1.2810056	0.1377875	2.4807692	0.0222567		
		SH2B1	sh2b domain phosphatase 1	1.43174837	0.2804709	1.3957002	0.3128998	1.6207747	0.0324949		
		SH3BP1	sh3 domain phosphatase 2	1.41378956	0.2200493	1.4738754	0.4743035	2.7716651	0.5267391		
		SH3BP2	sh3 domain phosphatase 1	1.38051144	0.3037696	1.2680775	0.5630073	1.2944158	0.4123091		
		WALK1	Wiskott-Aldrich syndrome like 1	2.4488543	0.0014339	2.3776966	0.15700147	1.5385996	0.1582996		
		WALK2	Wiskott-Aldrich syndrome like 2	2.15273747	0.1248217	2.7390289	0.15776244	1.6735038	0.6666509		
		Actin	Actin	ARFAP1	ARF GAP with RhoGAP domain, ankyrin repeat and PDZ domain 1	1.41431311	0.1729048	1.8266584	0.1717705	1.0006889	0.9402979
				ARHGAP1	ADP-ribosylation factor interacting protein 1	1.06744999	0.38339572	1.0341971	0.85109285	1.1772182	0.49609279
				ARHGAP2	Rho GTPase activating protein 2	1.09743022	0.30073864	1.09743022	0.30073864	1.09743022	0.30073864
				ARHGAP3	Rho guanine nucleotide exchange factor (GEF) 11	1.028719754	0.26180933	1.028719754	0.26180933	1.028719754	0.26180933
CAK1	calcium/calmodulin-dependent serine protein kinase (CaMKII family)			1.15181217	0.1451417	1.5467199	0.2848377	1.15181217	0.1451417		
CDCA1	cell division cycle 1			1.21758602	0.0014339	1.4972914	0.0466445	1.9984819	0.0443508		
CDCA2	CDCA2 binding protein alpha (DMPK-like)			1.39916335	0.0041569	1.7264729	0.1770092	2.3613036	0.0800196		
CDCA3	CDCA3			1.17138718	0.1729048	1.17138718	0.1729048	1.17138718	0.1729048		
DLG1	disheg domain like protein 1			1.04651257	0.1729048	1.04651257	0.1729048	1.04651257	0.1729048		
DISP1	disheg domain like protein 2			1.04651257	0.1729048	1.04651257	0.1729048	1.04651257	0.1729048		
Actin	Actin	EZR	estrogen receptor	1.44176412	0.0014339	1.44176412	0.0014339	1.63070625	0.24340896		
		ESR1	estrogen receptor	1.60217511	0.0014339	1.4310658	0.39710827	1.8004889	0.1340466		
		ESR2	estrogen receptor	1.00029151	0.1729048	1.1309898	0.1729048	1.2187455	0.1752598		
		IQGAP1	IQ motif containing GTPase activating protein 1	1.44235638	0.2844188	1.4025471	0.4865509	1.4847953	0.6830394		
		MLK1	microtubule-actin crosslinking factor 1	1.5471721	0.3471727	1.4083856	0.9572949	1.0638763	0.2153104		
		PRK2	protein tyrosine kinase 2	1.0587495	0.1729048	1.0587495	0.1729048	1.0587495	0.1729048		
		RAF1	raf-1	1.23278657	0.14377081	1.2810056	0.1377875	2.4807692	0.0222567		
		SH2B1	sh2b domain phosphatase 1	1.43174837	0.2804709	1.3957002	0.3128998	1.6207747	0.0324949		
		SH3BP1	sh3 domain phosphatase 2	1.41378956	0.2200493	1.4738754	0.4743035	2.7716651	0.5267391		
		SH3BP2	sh3 domain phosphatase 1	1.38051144	0.3037696	1.2680775	0.5630073	1.2944158	0.4123091		
Actin	Actin	WALK1	Wiskott-Aldrich syndrome like 1	2.4488543	0.0014339	2.3776966	0.15700147	1.5385996	0.1582996		
		WALK2	Wiskott-Aldrich syndrome like 2	2.15273747	0.1248217	2.7390289	0.15776244	1.6735038	0.6666509		
		Actin	Actin	ARFAP1	ARF GAP with RhoGAP domain, ankyrin repeat and PDZ domain 1	1.41431311	0.1729048	1.8266584	0.1717705	1.0006889	0.9402979
				ARHGAP1	ADP-ribosylation factor interacting protein 1	1.06744999	0.38339572	1.0341971	0.85109285	1.1772182	0.49609279
				ARHGAP2	Rho GTPase activating protein 2	1.09743022	0.30073864	1.09743022	0.30073864	1.09743022	0.30073864
				ARHGAP3	Rho guanine nucleotide exchange factor (GEF) 11	1.028719754	0.26180933	1.028719754	0.26180933	1.028719754	0.26180933
				CAK1	calcium/calmodulin-dependent serine protein kinase (CaMKII family)	1.15181217	0.1451417	1.5467199	0.2848377	1.15181217	0.1451417
				CDCA1	cell division cycle 1	1.21758602	0.0014339	1.4972914	0.0466445	1.9984819	0.0443508
				CDCA2	CDCA2 binding protein alpha (DMPK-like)	1.39916335	0.0041569	1.7264729	0.1770092	2.3613036	0.0800196
				CDCA3	CDCA3	1.17138718	0.1729048	1.17138718	0.1729048	1.17138718	0.1729048
DLG1	disheg domain like protein 1			1.04651257	0.1729048	1.04651257	0.1729048	1.04651257	0.1729048		
DISP1	disheg domain like protein 2			1.04651257	0.1729048	1.04651257	0.1729048	1.04651257	0.1729048		
Actin	Actin	EZR	estrogen receptor	1.44176412	0.0014339	1.44176412	0.0014339	1.63070625	0.24340896		
		ESR1	estrogen receptor	1.60217511	0.0014339	1.4310658	0.39710827	1.8004889	0.1340466		
		ESR2	estrogen receptor	1.00029151	0.1729048	1.1309898	0.1729048	1.2187455	0.1752598		
		IQGAP1	IQ motif containing GTPase activating protein 1	1.44235638	0.2844188	1.4025471	0.4865509	1.4847953	0.6830394		
		MLK1	microtubule-actin crosslinking factor 1	1.5471721	0.3471727	1.4083856	0.9572949	1.0638763	0.2153104		
		PRK2	protein tyrosine kinase 2	1.0587495	0.1729048	1.0587495	0.1729048	1.0587495	0.1729048		
		RAF1	raf-1	1.23278657	0.14377081	1.2810056	0.1377875	2.4807692	0.0222567		
		SH2B1	sh2b domain phosphatase 1	1.43174837	0.2804709	1.3957002	0.3128998	1.6207747	0.0324949		
		SH3BP1	sh3 domain phosphatase 2	1.41378956	0.2200493	1.4738754	0.4743035	2.7716651	0.5267391		
		SH3BP2	sh3 domain phosphatase 1	1.38051144	0.3037696	1.2680775	0.5630073	1.2944158	0.4123091		
Actin	Actin	WALK1	Wiskott-Aldrich syndrome like 1	2.4488543	0.0014339	2.3776966	0.15700147	1.5385996	0.1582996		
		WALK2	Wiskott-Aldrich syndrome like 2	2.15273747	0.1248217	2.7390289	0.15776244	1.6735038	0.6666509		
		Actin	Actin	ARFAP1	ARF GAP with RhoGAP domain, ankyrin repeat and PDZ domain 1	1.41431311	0.1729048	1.8266584	0.1717705	1.0006889	0.9402979
				ARHGAP1	ADP-ribosylation factor interacting protein 1	1.06744999	0.38339572	1.0341971	0.85109285	1.1772182	0.49609279
				ARHGAP2	Rho GTPase activating protein 2	1.09743022	0.30073864	1.09743022	0.30073864	1.09743022	0.30073864
				ARHGAP3	Rho guanine nucleotide exchange factor (GEF) 11	1.028719754	0.26180933	1.028719754	0.26180933	1.028719754	0.26180933
				CAK1	calcium/calmodulin-dependent serine protein kinase (CaMKII family)	1.15181217	0.1451417	1.5467199	0.2848377	1.15181217	0.1451417
				CDCA1	cell division cycle 1	1.21758602	0.0014339	1.4972914	0.0466445	1.9984819	0.0443508
				CDCA2	CDCA2 binding protein alpha (DMPK-like)	1.39916335	0.0041569	1.7264729	0.1770092	2.3613036	0.0800196
				CDCA3	CDCA3	1.17138718	0.1729048	1.17138718	0.1729048	1.17138718	0.1729048
DLG1	disheg domain like protein 1			1.04651257	0.1729048	1.04651257	0.1729048	1.04651257	0.1729048		
DISP1	disheg domain like protein 2			1.04651257	0.1729048	1.04651257	0.1729048	1.04651257	0.1729048		
Actin	Actin	EZR	estrogen receptor	1.44176412	0.0014339	1.44176412	0.0014339	1.63070625	0.24340896		
		ESR1	estrogen receptor	1.60217511	0.0014339	1.4310658	0.39710827	1.8004889	0.1340466		
		ESR2	estrogen receptor	1.00029151	0.1729048	1.1309898	0.1729048	1.2187455	0.1752598		
		IQGAP1	IQ motif containing GTPase activating protein 1	1.44235638	0.2844188	1.4025471	0.4865509	1.4847953	0.6830394		
		MLK1	microtubule-actin crosslinking factor 1	1.5471721	0.3471727	1.4083856	0.9572949	1.0638763	0.2153104		
		PRK2	protein tyrosine kinase 2	1.0587495	0.1729048	1.0587495	0.1729048	1.0587495	0.1729048		
		RAF1	raf-1	1.23278657	0.14377081	1.2810056	0.1377875	2.4807692	0.0222567		
		SH2B1	sh2b domain phosphatase 1	1.43174837	0.2804709	1.3957002	0.3128998	1.6207747	0.0324949		
		SH3BP1	sh3 domain phosphatase 2	1.41378956	0.2200493	1.4738754	0.4743035	2.7716651	0.5267391		
		SH3BP2	sh3 domain phosphatase 1	1.38051144	0.3037696	1.2680775	0.5630073	1.2944158	0.4123091		
Actin	Actin	WALK1	Wiskott-Aldrich syndrome like 1	2.4488543	0.0014339	2.3776966	0.15700147	1.5385996	0.1582996		
		WALK2	Wiskott-Aldrich syndrome like 2	2.15273747	0.1248217	2.7390289	0.15776244	1.6735038	0.6666509		
		Actin	Actin	ARFAP1	ARF GAP with RhoGAP domain, ankyrin repeat and PDZ domain 1	1.41431311	0.1729048	1.8266584	0.1717705	1.0006889	0.9402979
				ARHGAP1	ADP-ribosylation factor interacting protein 1	1.06744999	0.38339572	1.0341971	0.85109285	1.1772182	0.49609279
				ARHGAP2	Rho GTPase activating protein 2	1.09743022	0.30073864	1.09743022	0.30073864	1.09743022	0.30073864
				ARHGAP3	Rho guanine nucleotide exchange factor (GEF) 11	1.028719754	0.26180933	1.028719754	0.26180933	1.02871	

Gene	Protein	Accession	RefSeq	UniProt	Ensembl	Ensembl	Ensembl	Ensembl	Ensembl
M	WAPF5	WAP5 protein family, member 1	1,38025144	0.20370936	1,36007075	0.56208793	1,39947478	0.44220951	
	WAPL1	Wiskott-Aldrich syndrome like	2,44800312	0.27706666	2,37706666	0.56208793	2,12076509	0.18420996	
	AURKA	aurora kinase A	Fold change (GBM vs Normal)	p-paired (GBM vs Normal)	Fold change (GBM CD133+ vs Normal CD133+)	p-paired (GBM CD133+ vs Normal CD133+)	Fold change (GBM CD133+ vs Normal CD133+)	p-paired (GBM CD133+ vs Normal CD133+)	
	AURKB	aurora kinase B	-1,12520038	0.01622006	N/A	0.33042043	N/A	0.01622006	
	CCND3	cyclin A1	-5,4829204	0.00340112	-1,46792038	0.02862291	N/A	0.02862291	
	CTT	ctnnb1 (cytoskeleton interacting, serine/threonine kinase 2)	1,13778113	0.10466205	1,20240535	0.41300328	1,06427783	0.20971781	
	CLIP1	cytoplasmic linker associated protein 1	1,48148412	0.10818641	1,32128625	0.00178251	1,62224485	0.07906677	
	CLIP2	cytoplasmic linker associated protein 2	1,33474662	0.04837947	1,26342455	0.15720936	1,39697638	0.14603347	
	CLIP3	cytoplasmic linker associated protein 3	1,50848163	0.04837947	1,36007075	0.12744688	1,79970541	0.29765477	
	MAP2K1	CAP-GLY domain containing linker protein 1	1,19697125	0.22477891	1,12001188	0.90026235	1,37220525	0.70650282	
Cell Cycle	MAP2K2	microtubule-associated protein, RFB/FY family, member 1	1,64109468	0.18489785	1,80594314	0.61476821	1,41573882	0.16270954	
	MAP2K3	microtubule-associated protein, RFB/FY family, member 2	2,88740718	0.01211169	3,33899852	0.14227947	2,58808058	0.01211251	
	AHEF1E2	Rho guanine nucleotide exchange factor (GEF) 11	Fold change (GBM vs Normal)	p-paired (GBM vs Normal)	Fold change (GBM CD133+ vs Normal CD133+)	p-paired (GBM CD133+ vs Normal CD133+)	Fold change (GBM CD133+ vs Normal CD133+)	p-paired (GBM CD133+ vs Normal CD133+)	
	AURKB	aurora kinase B	-1,09754022	0.70207864	-1,08779137	0.86154101	-1,58830206	0.06091567	
	AURKC	aurora kinase C	2,58862785	0.06280706	2,74688522	0.26205498	2,39648864	0.20745111	
	SOX1	ectopic factor (dysplasia-inducing factor)	1,54088667	0.10808504	1,32612663	0.08712652	1,14622288	0.03005073	
	RACGAP1	Rac GTPase activating protein 1	-1,89007976	0.04956474	-1,57246663	0.45397706	-2,52319337	0.13327275	
	ROCK1	rho-associated, coiled-coil containing protein kinase 1	1,02096413	0.15789055	1,07010623	0.10709304	1,11030206	0.12370489	
	CA	BAI1-associated protein 2	Fold change (GBM vs Normal)	p-paired (GBM vs Normal)	Fold change (GBM CD133+ vs Normal CD133+)	p-paired (GBM CD133+ vs Normal CD133+)	Fold change (GBM CD133+ vs Normal CD133+)	p-paired (GBM CD133+ vs Normal CD133+)	
	BAIAP2	BAI1-associated protein 2	1,74152049	0.19200066	-1,10314276	0.14250668	1,73699374	0.13889206	
MON	moose	1,76148478	0.03262228	-1,40429219	0.11387802	1,93009148	0.10740606		
NCK1	NCK adaptor protein 1	1,33851216	0.15501077	3,70778685	0.48292622	2,8437391	0.42914638		
NCK2	NCK adaptor protein 2	-1,50500782	0.16557717	-1,07837541	0.79805489	-1,13407031	0.64242308		
FAK2	p121 protein (Cdk4/Rac1)-activated kinase 1	1,23027815	0.15029129	1,41376683	0.26432727	1,64156536	0.43863364		
Cell	Cal	caldesmon 1	Fold change (GBM vs Normal)	p-paired (GBM vs Normal)	Fold change (GBM CD133+ vs Normal CD133+)	p-paired (GBM CD133+ vs Normal CD133+)	Fold change (GBM CD133+ vs Normal CD133+)	p-paired (GBM CD133+ vs Normal CD133+)	
	CALD1	caldesmon 1	8,21937717	0.04301861	8,84138881	0.30456658	9,0695678	0.25023729	
	CALB	calmodulin 1 (highlybasic kinase, delta)	1,89189198	0.01813598	1,80939908	0.36100599	1,89951227	0.10309762	
	CKSK	calcium/calmodulin-dependent serine protein kinase (MAGUK Family)	-1,15181127	0.14518712	-1,54874799	0.28483737	1,1148747	0.04491718	
	EGAPF	IQ motif containing OTFase activating protein 1	-1,44220538	0.09256347	-1,40247165	0.35171457	-1,44874763	0.17171738	
	EGAPF2	IQ motif containing OTFase activating protein 2	1,34383717	0.28447188	1,29827815	0.44885604	1,54972691	0.28002064	
	MYLK	myosin light chain kinase	1,34383717	0.4517707	1,53793238	0.45816119	1,21041481	0.80399416	
	MYLK2	myosin light chain kinase 2	1,37942072	0.26221972	1,64848766	0.36572002	1,13807817	0.77984442	
	PPP3CA	protein phosphatase 3, catalytic subunit, alpha isotype	1,70084132	0.00817184	1,70247877	0.23227718	1,71193104	0.16108832	
	PPP3CB	protein phosphatase 3, catalytic subunit, beta isotype	1,12154751	0.01010876	1,41376683	0.01005649	1,64156536	0.01718422	
G-Protein	AMPA1	AMPA with RhoGAP domain, interring repeat and PH domain 1	Fold change (GBM vs Normal)	p-paired (GBM vs Normal)	Fold change (GBM CD133+ vs Normal CD133+)	p-paired (GBM CD133+ vs Normal CD133+)	Fold change (GBM CD133+ vs Normal CD133+)	p-paired (GBM CD133+ vs Normal CD133+)	
	AMPA2	AMPA with RhoGAP domain, interring protein 2	1,41431211	0.14784726	1,8286584	0.17171705	1,00056889	0.09412276	
	ARHGAP1	RAP1-ribosylation factor interacting protein 2	-1,08744499	0.18330572	-1,03419371	0.81520625	-1,17721482	0.46002329	
	ARHGAP2	Rho GTPase activating protein 6	1,40846276	0.01601831	1,21747815	0.12179642	1,71870157	0.19060207	
	ARHGAP29	Rho GTPase activating protein 29	N/A	N/A	N/A	N/A	N/A	N/A	
	ARHGAP31	Rho guanine nucleotide exchange factor (GEF) 11	-1,09744522	0.70207864	-1,08779137	0.86154101	-1,58830206	0.06091567	
	CDCK2	cell division cycle 2	1,81792878	0.04662182	1,48042993	0.40607024	1,31225245	0.16880831	
	CDCK2L1	CDCK2-like nuclear exchange factor (GEF) 11	1,28134504	0.26502706	1,0917365	0.05036007	1,81807128	0.40059236	
	CLL1	collin 1 (non-muscle)	1,98016185	0.00341629	1,72681729	0.17700942	1,36113036	0.04483104	
	CTF	ctnnb1 (cytoskeleton interacting, serine/threonine kinase 2)	1,48148412	0.10818641	1,32128625	0.01779291	1,62324875	0.07370885	
CYFP1	cytoplasmic FMR1 interacting protein 2	2,12126202	0.09719484	2,71310167	0.32261645	2,13228844	0.25610705		
CYFP2	cytoplasmic FMR1 interacting protein 1	1,74811024	0.01981836	1,51181418	0.28044931	2,00810865	0.11294878		
EGAPF1	EGAPF1-related domain 1	1,04641217	0.15116817	1,00800706	0.44819811	1,08154866	0.26614813		
EGAPF2	IQ motif containing OTFase activating protein 1	-1,44220538	0.09256347	-1,40247165	0.35171457	-1,44874763	0.17171738		
EGAPF3	IQ motif containing OTFase activating protein 2	1,32220514	0.28447188	1,29827815	0.44885604	1,54972691	0.28002064		
LMNK1	LIM domain kinase 1	1,42415121	0.14363303	1,43444425	0.40083704	1,43442316	0.39384874		
LMNK2	LIM domain kinase 2	1,29570348	0.10735088	1,07485189	0.19193468	1,96398804	0.15702286		
MAPK13	mitogen-activated protein kinase 13	1,12280063	0.80734682	1,18730170	0.71888281	-1,03135313	0.41818668		
NCK1	rho-associated, coiled-coil substrate 1 (rho family, viral GTP binding protein Rac1)	1,70715472	0.17191112	1,79637973	0.15182447	1,63807391	0.15848713		
RACGAP1	Rac GTPase activating protein 1	-1,89007976	0.04956474	-1,57246663	0.45397706	-2,52319337	0.13327275		
RAC2	ras homolog family member A	-1,70996446	0.14052817	-1,64609615	0.43428032	-1,79418096	0.14463877		
ROCK1	rho-associated, coiled-coil containing protein kinase 1	1,02096413	0.15789055	1,07010623	0.10709304	1,11030206	0.12370489		
TNFRSF1	T-cell lymphoma invasion and metastasis 1	-2,63730078	0.02673111	-1,96512579	0.31150463	-3,49344548	0.07984804		
WNT5	Wiskott-Aldrich syndrome	1,38816041	0.44849007	1,14652151	0.78770514	2,10582442	0.13513346		
WNT5B	Wiskott-Aldrich syndrome like	2,44880432	0.26879333	2,73789666	0.52700147	2,12875699	0.18259996		
Kin & Pho	AURKB	aurora kinase B	Fold change (GBM vs Normal)	p-paired (GBM vs Normal)	Fold change (GBM CD133+ vs Normal CD133+)	p-paired (GBM CD133+ vs Normal CD133+)	Fold change (GBM CD133+ vs Normal CD133+)	p-paired (GBM CD133+ vs Normal CD133+)	
	AURKA	aurora kinase A	-2,13250038	0.01622006	-1,54614125	0.33042043	-3,06121249	0.01622006	
	AURKC	aurora kinase C	N/A	N/A	N/A	N/A	N/A	N/A	
	CKSK	calcium/calmodulin-dependent serine protein kinase (MAGUK Family)	2,58862785	0.02821705	2,74688522	0.26205498	2,39648864	0.20745111	
	CDK20A	CDK2 binding protein kinase alpha (DMPK-like)	1,15181127	0.14518712	1,54874799	0.28483737	1,1148747	0.04491718	
	CKK1	cyclin-dependent kinase 5	1,21738892	0.17131811	1,49729314	0.34540592	1,09848519	0.42408585	
	CKK2	cyclin-dependent kinase 2	1,44779133	0.24130911	1,63841179	0.40346645	1,25733821	0.11613101	
	CKK3L1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	2,33793447	0.03630996	1,59849882	0.19708803	3,68502821	0.20490469	
	CTT	ctnnb1 (cytoskeleton interacting, serine/threonine kinase 2)	1,48148412	0.10818641	1,32128625	0.01779291	1,62324875	0.07370885	
	LMNK1	LIM domain kinase 1	1,42415121	0.14363303	1,43444425	0.40083704	1,43442316	0.39384874	
LMNK2	LIM domain kinase 2	1,29570348	0.10735088	1,07485189	0.19193468	1,96398804	0.15702286		
MAPK11	mitogen-activated protein kinase kinase 11	2,3641907	0.20268087	1,81310451	0.49110429	2,9310671	0.44916566		
MAPK12	mitogen-activated protein kinase 12	1,12280063	0.80734682	1,18730170	0.71888281	-1,03135313	0.41818668		
MAPK13	MAP3/interleukin-6/erythropoietin kinase 2	2,04936646	0.18558074	1,79713471	0.51913852	2,38894073	0.44002064		
MYLK	myosin light chain kinase	1,34383717	0.4517707	1,53793238	0.45816119	1,21041481	0.80399416		
MYLK2	myosin light chain kinase 2	1,37942072	0.26221972	1,64848766	0.36572002	1,13807817	0.77984442		
PAK1	p21 protein (Cdk4/Rac1)-activated kinase 1	2,19257815	0.15092127	2,16847292	0.41510394	2,64072757	0.42885364		
PAK2	p21 protein (Cdk4/Rac1)-activated kinase 2	1,24043126	0.10453164	1,2773682	0.3129191	1,22912262	0.17370955		
PPP3CA	protein phosphatase 3, catalytic subunit, alpha isotype	1,70084132	0.00817184	1,70247877	0.23227718	1,71193104	0.16108832		
PPP3CB	protein phosphatase 3, catalytic subunit, beta isotype	1,12154751	0.01010876	1,41376683	0.01005649	1,64156536	0.01718422		
ROCK1	rho-associated, coiled-coil containing protein kinase 1	1,02096413	0.15789055	1,07010623	0.10709304	1,11030206	0.12370489		
SH3	SH3 domain protein phosphatase 1	1,41347837	0.11094812	1,41376683	0.11094812	1,62207409	0.15128988		
SH3L1	SH3 domain protein phosphatase 2	1,41376683	0.22004293	1,41376683	0.47493764	1,62207409	0.15128988		

**Supplementary Table 1 showing Groups, Gene name and values for dataset used in Figure 3**

Group	Subgroup	Gene	Gene Name	Fold change (Stem v Differentiation)	p-paired (Stem v Differentiation)						
Actin Filaments	IP	ACTR2	ARP2 actin-related protein 2 homolog (yeast)	-1,503602234	0,351306589						
		ACTR3	ARP3 actin-related protein 3 homolog (yeast)	-1,364659104	0,045988538						
		ARPC1B	Actin Related Protein 2/3 Complex, Subunit 1B	-2,035619024	0,233502008						
		ARPC2	actin related protein 2/3 complex, subunit 2. 34kDa	-1,519073566	0,068624421						
		ARPC3	actin related protein 2/3 complex, subunit 3. 21kDa	-1,246892199	0,136944137						
		ARPC4	actin related protein 2/3 complex, subunit 4. 20kDa	1,039243684	0,903294477						
		ARPC5	actin related protein 2/3 complex, subunit 5. 16kDa	-1,242616715	0,653671905						
		CALD1	Caldesmon 1	-1,856108445	0,14922611						
		CDC42EP3	CDC42 Effector Protein (Rho GTPase Binding) 3	-1,861738951	0,246473074						
		CFL1	cofilin 1 (non-muscle)	-1,136897626	0,40051435						
		CYFIP1	cytoplasmic FMR1 interacting protein 1	1,137896182	0,681131705						
		CYFIP2	cytoplasmic FMR1 interacting protein 2	1,596264494	0,543958341						
		DIAPH1	diaphanous-related formin 1	1,007075561	0,952344888						
		DSTN	destrin (actin depolymerizing factor)	-1,408392969	0,077267785						
		EZR	ezrin	-1,596251198	0,334766835						
		FSCN2	fascin homolog 2, actin-bundling protein, retinal (Strongylocentrotus purpuratus)	-1,257740252	0,099187828						
		GSN	gelsolin	-1,319072362	0,394984075						
		IQGAP2	IQ Motif Containing GTPase Activating Protein 2	-1,277927816	0,483096003						
		MACF1	Microtubule-Actin Crosslinking Factor 1	1,23177917	0,449561642						
		PFN2	profilin 2	-1,095099233	0,705155655						
		RDX	radixin	-2,038936169	0,455088797						
		SSH1	slingshot protein phosphatase 1	-1,040441469	0,934539012						
		SSH2	slingshot protein phosphatase 2	-1,40249594	0,018442329						
		WASF1	WAS protein family, member 1	1,328340735	0,514233374						
		WASL	Wiskott-Aldrich syndrome-like	1,114032853	0,839941625						
		VASP	vasodilator-stimulated phosphoprotein	-2,088668126	0,257062298						
Actin Filaments	OR	ARAP1	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1	-1,236389918	0,353293392						
		ARFIP2	ADP-ribosylation factor interacting protein 2	-1,234152222	0,155549477						
		ARHGDI8	Rho GDP Dissociation Inhibitor (GDI) Beta	N/A	N/A						
		ARHGGEF1	Rho guanine nucleotide exchange factor (GEF) 11	1,157847151	0,028047868						
		ARPC4	actin related protein 2/3 complex, subunit 4. 20kDa	1,039243684	0,903294477						
		CASK	calcium/calmodulin-dependent serine protein kinase (MAGUK family)	1,211771774	0,451319174						
		CDC42	cell division cycle 42	-3,098634622	0,377793227						
		CDC42BPA	CDC42 binding protein kinase alpha (DMPK-like)	-1,268682948	0,54196111						
		CFL1	cofilin 1 (non-muscle)	-1,136897626	0,40051435						
		CRK	v-crk sarcoma virus CT10 oncogene homolog (avian)	1,123194942	0,38316088						
		DIAPH1	diaphanous-related formin 1	1,007075561	0,952344888						
		DSTN	destrin (actin depolymerizing factor)	-1,408392969	0,077267785						
		EZR	ezrin	-1,596251198	0,334766835						
		FSCN2	fascin homolog 2, actin-bundling protein, retinal (Strongylocentrotus purpuratus)	-1,257740252	0,099187828						
		GSN	gelsolin	-1,319072362	0,394984075						
		IQGAP1	IQ motif containing GTPase activating protein 1	-1,550087076	0,144930732						
		LIMK1	LIM domain kinase 1	-1,12698585	0,241706114						
		LIMK2	LIM domain kinase 2	-1,519073566	0,302910245						
		NCK1	NCK adaptor protein 1	1,217411578	0,275239235						
		PFN2	profilin 2	-1,095099233	0,705155655						
		RDX	radixin	-2,038936169	0,455088797						
		RHOA	ras homolog family member A	1,024025274	0,930295928						
		ROCK1	Rho-associated, coiled-coil containing protein kinase 1	1,031891352	0,838245327						
		SSH1	slingshot protein phosphatase 1	-1,040441469	0,934539012						
		SSH2	slingshot protein phosphatase 2	-1,40249594	0,018442329						
		Actin Filaments	P-D	ACTR3	ARP3 actin-related protein 3 homolog (yeast)	-1,364659104	0,045988538				
ARHGAP6	Rho GTPase activating protein 6			4,041287117	0,269730554						
ARPC1B	actin related protein 2/3 complex, subunit 1B. 41kDa			-2,035619024	0,233502008						
ARPC2	actin related protein 2/3 complex, subunit 2. 34kDa			-1,519073566	0,068624421						
ARPC3	actin related protein 2/3 complex, subunit 3. 21kDa			-1,246892199	0,136944137						
ARPC4	actin related protein 2/3 complex, subunit 4. 20kDa			1,039243684	0,903294477						
ARPC5	actin related protein 2/3 complex, subunit 5. 16kDa			-1,242616715	0,653671905						
CDC42EP2	CDC42 effector protein (Rho GTPase binding) 2			-1,494002645	0,079772878						
DSTN	destrin (actin depolymerizing factor)			-1,408392969	0,077267785						
FNBP1L	formin binding protein 1-like			1,392401921	0,371224511						
GSN	gelsolin			-1,319072362	0,394984075						
NCK1	NCK adaptor protein 1			1,217411578	0,275239235						
NCK2	NCK adaptor protein 2			1,361239843	0,471943662						
PFN2	profilin 2			-1,095099233	0,705155655						
PIKFYVE	phosphoinositide kinase, FYVE finger containing			1,019008089	0,79111798						
RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)			1,188269816	0,45114209						
WAS	Wiskott-Aldrich syndrome			-1,213942957	0,344056056						
WASF1	WAS protein family, member 1			1,328340735	0,514233374						
WASL	Wiskott-Aldrich syndrome-like			1,114032853	0,839941625						
Microtubules	CC			ARFIP2	ADP-ribosylation factor interacting protein 2	-1,234152222	0,155549477				
				CLASP1	cytoplasmic linker associated protein 1	1,061998045	0,868801082				
				CTTN	cortactin	-1,311864269	0,031778958				
				DSTN	destrin (actin depolymerizing factor)	-1,408392969	0,077267785				
				EZR	ezrin	-1,596251198	0,334766835				
				LLGL1	lethal giant larvae homolog 1 (Drosophila)	-1,128544056	0,269171582				
				MAPRE1	microtubule-associated protein, RP/EB family, member 1	-1,037168917	0,908769208				
		Microtubules	IP	CLASP1	cytoplasmic linker associated protein 1	1,061998045	0,868801082				
				CLASP2	cytoplasmic linker associated protein 2	2,834464354	0,157080972				
				CLIP1	CAP-GLY domain containing linker protein 1	1,345938836	0,336549573				
				CLIP2	CAP-GLY domain containing linker protein 2	1,399518962	0,497165165				
				MACF1	microtubule-actin crosslinking factor 1	1,23177917	0,449561642				
				MAP4	microtubule-associated protein 4	-1,073879882	0,756696819				
				MAPRE1	microtubule-associated protein, RP/EB family, member 1	-1,037168917	0,908769208				
				MAPRE2	microtubule-associated protein, RP/EB family, member 2	1,112404355	0,655329185				
				MAPT	microtubule-associated protein tau	3,070129918	0,107065844				
				MID1	midline 1 (Optiz/BBB syndrome)	1,118441587	0,730462803				
				RACGAP1	Rac GTPase activating protein 1	-1,154046397	0,438821409				
				STMN1	stathmin 1	-1,493790433	0,098942573				
				Microtubules	OR	CLASP1	cytoplasmic linker associated protein 1	1,061998045	0,868801082		
						MAPT	microtubule-associated protein tau	3,070129918	0,107065844		
						MID1	midline 1 (Optiz/BBB syndrome)	1,118441587	0,730462803		
						PHLD82	pleckstrin homology-like domain, family B, member 2	1,128441515	0,047595136		
						STMN1	stathmin 1	-1,493790433	0,098942573		
						Microtubules	P-D	CLASP1	cytoplasmic linker associated protein 1	1,061998045	0,868801082
								CLASP2	cytoplasmic linker associated protein 2	2,834464354	0,157080972
MAP4	microtubule-associated protein 4							-1,073879882	0,756696819		
MAPRE1	microtubule-associated protein, RP/EB family, member 1							-1,037168917	0,908769208		
MAPRE2	microtubule-associated protein, RP/EB family, member 2							1,112404355	0,655329185		
MAPT	microtubule-associated protein tau							3,070129918	0,107065844		
STMN1	stathmin 1							-1,493790433	0,098942573		
Microtubules	SP							AURKA	aurora kinase A	-2,0000549	0,089832412
								AURKB	aurora kinase B	N/A	N/A
		CLASP1	cytoplasmic linker associated protein 1					1,061998045	0,868801082		
		CLASP2	cytoplasmic linker associated protein 2					2,834464354	0,157080972		
		CLIP1	CAP-GLY domain containing linker protein 1					1,345938836	0,336549573		
		MAPRE1	microtubule-associated protein, RP/EB family, member 1					-1,037168917	0,908769208		
		RACGAP1	Rac GTPase activating protein 1					-1,154046397	0,438821409		
		Microtubules	AX					BAIAP2	BAI1-associated protein 2	-1,621716993	0,0484634
								CDK5	cyclin-dependent kinase 5	-1,133171035	0,339107101
								CDK5R1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	5,676197133	0,155534829

Projections	FL	CYFIP1	cytoplasmic FMR1 interacting protein 1	1,137896182	0,681131705		
		CYFIP2	cytoplasmic FMR1 interacting protein 2	1,596264494	0,543958341		
		MAPT	microtubule-associated protein tau	3,070129918	0,107065844		
	G	FL	ARAP1		-1,236389918	0,352939392	
			BAIAP2	BAI1-associated protein 2	-1,621176993	0,0484634	
			CDC42	cell division cycle 42	-3,098634622	0,377793227	
			CDK5	cyclin-dependent kinase 5	-1,133171035	0,339107101	
			EZR	ezrin	-1,596251198	0,334766835	
			MSN	moesin	-1,28585033	0,099852236	
			RDX	radixin	-2,038936169	0,455088797	
	LAM	G	CDK5	cyclin-dependent kinase 5	-1,133171035	0,339107101	
			CDK5R1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	5,676197133	0,155534829	
			MAPT	microtubule-associated protein tau	3,070129918	0,107065844	
	MV	LAM	ACTR3	ARP3 actin-related protein 3 homolog (yeast)	-1,364659104	0,045988538	
			ARFIP2	ADP-ribosylation factor interacting protein 2	-1,234152222	0,155549477	
			ARPC5	actin related protein 2/3 complex, subunit 5, 16kDa	-1,242616715	0,652671905	
			CDK5	cyclin-dependent kinase 5	-1,133171035	0,339107101	
			CTTN	cortactin	-1,311864269	0,031778958	
			CYFIP1	cytoplasmic FMR1 interacting protein 1	1,137896182	0,681131705	
			CYFIP2	cytoplasmic FMR1 interacting protein 2	1,596264494	0,543958341	
			NCK1	NCK adaptor protein 1	1,217411578	0,275239235	
			PPP1R12A	protein phosphatase 1, regulatory subunit 12A	-1,409612442	0,460024068	
			PPP1R12B	protein phosphatase 1, regulatory subunit 12B	-1,036232149	0,822408557	
			RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	1,188269816	0,45114209	
			RDX	radixin	-2,038936169	0,455088797	
			WASL	Wiskott-Aldrich syndrome-like	1,114032853	0,839941625	
			P	MV	EZR	ezrin	-1,596251198
MSN	moesin	-1,28585033			0,099852236		
RDX	radixin	-2,038936169			0,455088797		
RF	P	CDC42	cell division cycle 42	-3,098634622	0,377793227		
		CDC42EP2	CDC42 effector protein (Rho GTPase binding) 2	-1,494002645	0,079772878		
CS-S-P	RF	ARFIP2	ADP-ribosylation factor interacting protein 2	-1,234152222	0,155549477		
		CTTN	cortactin	-1,311864269	0,031778958		
		CYFIP1	cytoplasmic FMR1 interacting protein 1	1,137896182	0,681131705		
		CYFIP2	cytoplasmic FMR1 interacting protein 2	1,596264494	0,543958341		
		EZR	ezrin	-1,596251198	0,334766835		
		RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	1,188269816	0,45114209		
CMM	CS-S-P	RDX	radixin	-2,038936169	0,455088797		
		ARAP1	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1	-1,236389918	0,352939392		
		ARHGEF11	Rho guanine nucleotide exchange factor (GEF) 11	1,157847151	0,032047868		
		CDC42	cell division cycle 42	-3,098634622	0,377793227		
		CDC42EP2	CDC42 effector protein (Rho GTPase binding) 2	-1,494002645	0,079772878		
		CDC42EP3	CDC42 effector protein (Rho GTPase binding) 3	-1,861738951	0,246473074		
		CLASP1	cytoplasmic linker associated protein 1	1,061998045	0,868801082		
		CLASP2	cytoplasmic linker associated protein 2	2,834464354	0,157080972		
		CYFIP1	cytoplasmic FMR1 interacting protein 1	1,137896182	0,681131705		
		CYFIP2	cytoplasmic FMR1 interacting protein 2	1,596264494	0,543958341		
		EZR	ezrin	-1,596251198	0,334766835		
		LLGL1	lethal giant larvae homolog 1 (Drosophila)	-1,128544056	0,269171582		
		MARK2	MAP/microtubule affinity-regulating kinase 2	-1,273126325	0,129975017		
		MYLK2	myosin light chain kinase 2	-1,092614735	0,424341208		
		SSH1	slingshot protein phosphatase 2	-1,04041469	0,934539012		
		M	CMM	ACTR2	ARP2 actin-related protein 2 homolog (yeast)	-1,503602234	0,315306589
				ACTR3	ARP3 actin-related protein 3 homolog (yeast)	-1,364659104	0,045988538
ARAP1	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1			-1,236389918	0,352939392		
ARFIP2	ADP-ribosylation factor interacting protein 2			-1,234152222	0,155549477		
ARHGDB8	Rho GDP Dissociation Inhibitor (GDI) Beta			N/A	N/A		
ARHGEF11	Rho guanine nucleotide exchange factor (GEF) 11			1,157847151	0,032047868		
ARPC1B	actin related protein 2/3 complex, subunit 1B, 41kDa			-2,035619024	0,23502008		
ARPC2	actin related protein 2/3 complex, subunit 2, 34kDa			-1,519073566	0,068624421		
ARPC3	actin related protein 2/3 complex, subunit 3, 21kDa			-1,246892199	0,136944137		
ARPC5	actin related protein 2/3 complex, subunit 5, 16kDa			-1,242616715	0,652671905		
CALD1	caldesmon 1			-1,856108445	0,14922611		
CDK5	cyclin-dependent kinase 5			-1,133171035	0,339107101		
CDK5R1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)			5,676197133	0,155534829		
DSTN	destrin (actin depolymerizing factor)			-1,408392969	0,077267785		
MSN	moesin			-1,28585033	0,099852236		
NCK1	NCK adaptor protein 1			1,217411578	0,275239235		
PAK4	p21 protein (Cdc42/Rac)-activated kinase 4			-1,330618918	0,230576043		
RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	1,188269816	0,45114209				
ROCK1	Rho-associated, coiled-coil containing protein kinase 1	1,031891352	0,838245327				
WASF1	WAS protein family, member 1	1,328340735	0,514233374				
WASL	Wiskott-Aldrich syndrome-like	1,114032853	0,839941625				
Cell Cycle	M	AURKA	aurora kinase A	-2,000549	0,089832412		
		AURKB	aurora kinase B	N/A	N/A		
		CCNA1	cyclin A1	-2,904782041	0,305380186		
		CCNB2	cyclin B2	-1,063396901	0,512263489		
		CIT	citron (rho-interacting, serine/threonine kinase 21)	-1,196914076	0,401912233		
		CLASP1	cytoplasmic linker associated protein 1	1,061998045	0,868801082		
		CLASP2	cytoplasmic linker associated protein 2	2,834464354	0,157080972		
		CLIP1	CAP-GLY domain containing linker protein 1	1,345938836	0,336549573		
		MAPRE1	microtubule-associated protein, RP/EB family, member 1	-1,037168917	0,908769208		
		MAPRE2	microtubule-associated protein, RP/EB family, member 2	1,112404355	0,655329185		
		CA	CK	ARHGEF11	Rho guanine nucleotide exchange factor (GEF) 11	1,157847151	0,032047868
				AURKB	aurora kinase B	N/A	N/A
				AURKC	aurora kinase C	-1,069101124	0,683372277
				DSTN	destrin (actin depolymerizing factor)	-1,408392969	0,077267785
				RACGAP1	Rho GTPase activating protein 1	-1,154046397	0,438821409
				ROCK1	Rho-associated, coiled-coil containing protein kinase 1	1,031891352	0,838245327
				Cal	CA	BAIAP2	BAI1-associated protein 2
MSN	moesin	-1,28585033	0,099852236				
NCK1	NCK adaptor protein 1	1,217411578	0,275239235				
NCK2	NCK adaptor protein 2	1,361139843	0,471943662				
G-Prot	Cal	PAK1	p21 protein (Cdc42/Rac)-activated kinase 1	-1,049636184	0,69563444		
		CALD1	caldesmon 1	-1,856108445	0,14922611		
		CALM1	calmodulin 1 (phosphorylase kinase, delta)	1,495960899	0,48990544		
		CASK	calcium/calmodulin-dependent serine protein kinase (MAGUK family)	1,311777174	0,451319417		
		IQGAP1	IQ motif containing GTPase activating protein 1	-1,550087076	0,144930732		
		IQGAP2	IQ motif containing GTPase activating protein 2	-1,277927816	0,483096003		
		MYLK	myosin light chain kinase	-1,470396193	0,447098435		
MYLK2	myosin light chain kinase 2	-1,092614735	0,424341208				
PPP3CA	protein phosphatase 3, catalytic subunit, alpha isozyme	-1,273230036	0,229834996				
PPP3CB	protein phosphatase 3, catalytic subunit, beta isozyme	1,126069229	0,688322699				
G-Prot	G-Prot	ARAP1	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1	-1,236389918	0,352939392		
		ARFIP2	ADP-ribosylation factor interacting protein 2	-1,234152222	0,155549477		

Kin & Pho	Kin & Pho	ARHGAP6	Rho GTPase activating protein 6	4,041287117	0,269730554
		ARHGD1B	Rho GDP Dissociation Inhibitor (GDI) Beta	N/A	N/A
		ARHGEF11	Rho guanine nucleotide exchange factor (GEF) 11	1,157847151	0,032047868
		CDC42	cell division cycle 42	-3,098634622	0,377793227
		CDC42EP2	CDC42 effector protein (Rho GTPase binding) 2	-1,494002645	0,079772878
		CFL1	cofilin 1 (non-muscle)	-1,136897626	0,40051435
		CIT	citron (rho-interacting, serine/threonine kinase 21)	-1,196914076	0,401912233
		CYFIP1	cytoplasmic FMR1 interacting protein 1	1,137896182	0,681131705
		CYFIP2	cytoplasmic FMR1 interacting protein 2	1,596264494	0,543958341
		DIAPH1	diaphanous-related formin 1	1,007075561	0,952344888
		IQGAP1	IQ motif containing GTPase activating protein 1	-1,550087076	0,144930732
		IQGAP2	IQ motif containing GTPase activating protein 2	-1,277927816	0,483096003
		LIMK1	LIM domain kinase 1	-1,12698585	0,241706114
		LIMK2	LIM domain kinase 2	-1,497858604	0,302910245
		MAPK13	mitogen-activated protein kinase 13	-1,169063329	0,301090941
		RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	1,188269816	0,45114209
		RACGAP1	Rac GTPase activating protein 1	-1,154046397	0,438821409
		RHOA	ras homolog family member A	1,024052574	0,930925928
		ROCK1	Rho-associated, coiled-coil containing protein kinase 1	1,031891352	0,838245327
		TIAM1	T-cell lymphoma invasion and metastasis 1	-1,430644316	0,426416601
		WAS	Wiskott-Aldrich syndrome	-1,213442957	0,344056056
WASL	Wiskott-Aldrich syndrome-like	1,114032853	0,839941625		
		Fold change (Stem v Differentiation)	p-paired (Stem v Differentiation)		
		-2,0000549	0,089832412		
		N/A	N/A		
		-1,069101124	0,683372277		
		1,311777174	0,451519417		
		-1,268682948	0,541596111		
		-1,133171035	0,339107101		
		5,676197133	0,155534829		
		-1,196914076	0,401912233		
		-1,12698585	0,241706114		
		-1,497858604	0,302910245		
		-1,13035059	0,274890011		
		-1,169063329	0,301090941		
		-1,273126325	0,129975017		
		-1,470396193	0,447098435		
		-1,092614735	0,424341208		
		-1,049636184	0,69563444		
		-1,330618918	0,230576043		
		-1,409612442	0,460024068		
		-1,036232149	0,822408557		
		-1,273230036	0,229834996		
		1,126069229	0,688322699		
		1,031891352	0,838245327		
		-1,040441469	0,934539012		
		-1,40249594	0,018442329		