Figure 1

siRNA_ Name	Code Sense 5->3	Code AntiSense 5->3	20 nM	5 nM	1 nM	0.5 nM	0.1 nM	0.05 nM
RHOA_24_S75	rG;mA;rA;mG;rG;mA;rU;mC;rU;mU;rC;mG;rG;mA;rA;mU;rG;mA;rU$	rA;rU;rC;rA;rU;rU;rC;rC;rG;rA;rA;rG;rA;rU;rC;rC;rU2p;rU2p;rC$						
RHOA_24_S1245	zc6Np;rG;rA;rA;rG;rG;rA;rU;rC;rU;rU;rC;rG;rG;rA;dA;yLdA;rG;LdA;rU$	mA;rU;mC;rA;mU;rU;mC;rC;mG;rA;mA;rG;mA;rU;mC;rC;mU;rU;mC$						
RHOA_29_S1585	rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;rA;rU;rA;rG;rU;rU;rU$	mA;rA;mA;rC;mU;rA;mU;rC;mA;rG;mG;rG;mC;rU;mG;rU;mC;rG;mA;zc3p;zc3p$						
RHOA_29_S1602	rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;rA;rU;rA;rG;rU;rU;rU$	mA;rA;rA;mC;mU;rA;mU;mC;rA;rG;rG;rG;rC;mU;rG;rU;mC;rG;rA;zc3p;zc3p$						
RHOA_29_S992	rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;rA;rU;rA;rG;rU;rU;rU$	rA;mA;rA;mC;rU;mA;rU;mC;rA;rG;mG;rG;mC;rU;mG;rU;mC;rG;mA;zc3p;zc3p$						
RHOA_29_S1625	zc6Np;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;rA;rU;dA;dG;dT;dT;dT$	rA;mA;rA;mC;rU;mA;rU;mC;rA;rG;mG;rG;mC;rU;mG;rU;mC;rG;mA;zc3p;zc3p$	12					
RHOA_29_S1626	zc6Np;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;rA;rU;dA;dG;dT;dT;dT$	mA;rA;mA;rC;mU;rA;mU;rC;mA;rG;mG;rG;mC;rU;mG;rU;mC;rG;mA;zc3p;zc3p$	11					
RHOA_29_S1636	zc6Np;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;rA;rU;dA;dG;dT;dT;dT$	mA;rA;rA;mC;mU;rA;mU;mC;rA;rG;rG;rG;mC;mU;rG;mU;mC;rG;rA;zc3p;zc3p$	100					
RHOA_29_S1637	zc6Np;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;rA;rU;dA;dG;dT;dT;dT$	mA;rA;rA;mC;mU;rA;mU;mC;rA;rG;rG;rG;rC;mU;rG;rU;mC;rG;rA;zc3p;zc3p$	100					
RHOA_29_S1638	zc6Np;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;rA;rU;dA;dG;dT;dT;dT$	mA;rA;rA;mC;mU;rA;mU;mC;rA;rG;rG;rG;mC;mU;rG;rU;mC;rG;rA;zc3p;zc3p$	37					
RHOA_60_S1626	zc6Np;rC;rA;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;dA;dT;dA;dG;dA$	mU;rC;mU;rA;mU;rC;mA;rG;mG;rG;mC;rU;mG;rU;mC;rG;mA;rU;mG;zc3p;zc3p$	21					
RHOA_60_S1585	rC;rA;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;rA;rU;rA;rG;rA$	mU;rC;mU;rA;mU;rC;mA;rG;mG;rG;mC;rU;mG;rU;mC;rG;mA;rU;mG;zc3p;zc3p$						
RHOA_61_S1231	rG;rA;rU;rC;rU;rU;rC;rG;rG;rA;rA;rU;rG;rA;rU;rG;rA;rG;rA;zc3p;zc3p$	rU;rC;rU;rC;rA;rU;rC;rA;rU;rU;rC;rC;rG;rA;rA;rG;rA;rU;rC;zc3p;zc3p$						
RHOA_61_S1585	rG;rA;rU;rC;rU;rU;rC;rG;rG;rA;rA;rU;rG;rA;rU;rG;rA;rG;rA$	mU;rC;mU;rC;mA;rU;mC;rA;mU;rU;mC;rC;mG;rA;mA;rG;mA;rU;mC;zc3p;zc3p$						
RHOA_61_S1608	rG;rA;rU;rC;rU;rU;rC;rG;rG;rA;rA;rU;rG;rA;rU;rG;rA;rG;rA$	mU;mC;mU;mC;rA;mU;mC;rA;mU;mU;mC;mC;rG;rA;rA;rG;rA;mU;rC;zc3p;zc3p$						
RHOA_61_S1609	rG;rA;rU;rC;rU;rU;rC;rG;rG;rA;rA;rU;rG;rA;rU;rG;rA;rG;rA$	mU;rC;mU;mC;rA;mU;mC;rA;mU;rU;mC;mC;rG;rA;rA;rG;rA;mU;rC;zc3p;zc3p$						

siRNA_ Name	Code Sense 5->3	Code AntiSense 5->3	20 nM	5 nM	1 nM	0.5 nM	0.1 nM	0.05 nM
RHOA_61_ S1626	zc6Np;rG;rA;rU;rC;rU;rU;rC;rG;rG;rA;rA;rU;rG;rA;dT;dG;dA;dG;dA$	mU;rC;mU;rC;mA;rU;mC;rA;mU;rU;mC;rC;mG;rA;mA;rG;mA;rU;mC;zc3p;zc3p$						
RHOA_61_ S1649	rG;rA;rU;rC;rU;rU;rC;rG;rG;rA;rA;rU;rG;rA;rU;rG;rA;rG;yrU;zc3p;zc3p$	yrA;rC;rU;rC;rA;rU;rC;rA;rU;rU;rC;rC;rG;rA;rA;rG;rA;rU;rC;zc3p;zc3p$						
RHOA_61_ S1650	rG;rA;rU;rC;rU;rU;rC;rG;rG;rA;rA;rU;rG;rA;rU;rG;rA;rG;yrC;zdT;zdT$	yrG;rC;rU;rC;rA;rU;rC;rA;rU;rU;rC;rC;rG;rA;rA;rG;rA;rU;rC;zdT;zdT$						
RHOA_61_ S1651	rG;rA;rU;rC;rU;rU;rC;rG;rG;rA;rA;rU;rG;rA;rU;rG;rA;rG;rA;zc3p;zc3p$	dT;rC;rU;rC;rA;rU;rC;rA;rU;rU;rC;rC;rG;rA;rA;rG;rA;rU;rC;zc3p;zc3p$						
RHOA_61_ S1652	rG;rA;rU;rC;rU;rU;rC;rG;rG;rA;rA;rU;rG;rA;rU;rG;rA;rG;rA;zc3p;zc3p$	dU;rC;rU;rC;rA;rU;rC;rA;rU;rU;rC;rC;rG;rA;rA;rG;rA;rU;rC;zc3p;zc3p$						
RHOA_61_ S1664	rG;rA;rU;rC;rU;rU;rC;rG;rG;rA;rA;rU;rG;rA;rU;rG;rA;rG;rA;zc3p;zc3p$	mU;rC;rU;rC;rA;rU;rC;rA;rU;rU;rC;rC;rG;rA;rA;rG;rA;rU;rC;zc3p;zc3p$						
RHOA_61_ S1643	zc6Np;rG;rA;rU;rC;rU;rU;rC;rG;rG;rA;rA;rU;rG;rA;dT;dG;dA;dG;dA$	mU;mC;mU;mC;rA;mU;mC;rA;mU;mU;mC;mC;rG;rA;rA;rG;rA;mU;rC;zc3p;zc3p$	27					
RHOA_61_ S1644	zc6Np;rG;rA;rU;rC;rU;rU;rC;rG;rG;rA;rA;rU;rG;rA;dT;dG;dA;dG;dA$	mU;rC;mU;mC;rA;mU;mC;rA;mU;rU;mC;mC;rG;rA;rA;rG;rA;mU;rC;zc3p;zc3p$	37					
RHOA_70_ S1625	zc6Np;rC;rA;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;dA;dT;dA;dG;dT$	rA;mC;rU;mA;rU;mC;rA;mG;rG;rG;mC;rU;mG;rU;mC;rG;mA;rU;mG;zc3p;zc3p$	18					
RHOA_70_ S1626	zc6Np;rC;rA;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;dA;dT;dA;dG;dT$	mA;rC;mU;rA;mU;rC;mA;rG;mG;rG;mC;rU;mG;rU;mC;rG;mA;rU;mG;zc3p;zc3p$	28					
RHOA_70_ S1627	zc6Np;rC;rA;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;dA;dT;dA;dG;dT$	rA;mC;mU;rA;mU;mC;rA;rG;rG;rG;mC;mU;rG;mU;mC;rG;rA;mU;rG;zc3p;zc3p$	100					
RHOA_70_ S1628	zc6Np;rC;rA;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;dA;dT;dA;dG;dT$	mA;rC;mU;rA;mU;mC;rA;rG;rG;rG;mC;mU;rG;mU;mC;rG;rA;mU;rG;zc3p;zc3p$	100					
RHOA_70_ S1629	zc6Np;rC;rA;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;dA;dT;dA;dG;dT$	mA;rC;mU;rA;mU;mC;rA;rG;rG;rG;mC;mU;rG;rU;mC;rG;rA;mU;rG;zc3p;zc3p$	100					
RHOA_75_ S1626	zc6Np;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;rA;rU;dA;dG;dT;dT;dA$	mU;rA;mA;rC;mU;rA;mU;rC;mA;rG;mG;rG;mC;rU;mG;rU;mC;rG;mA;zc3p;zc3p$	8					
RHOA_70_ S992	rC;rA;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;rA;rU;rA;rG;rU$	rA;mC;rU;mA;rU;mC;rA;mG;rG;rG;mC;rU;mG;rU;mC;rG;mA;rU;mG;zc3p;zc3p$						
RHOA_70_ S1585	rC;rA;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;rA;rU;rA;rG;rU$	mA;rC;mU;rA;mU;rC;mA;rG;mG;rG;mC;rU;mG;rU;mC;rG;mA;rU;mG;zc3p;zc3p$						
RHOA_70_ S1586	rC;rA;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;rA;rU;rA;rG;rU$	rA;mC;mU;rA;mU;mC;rA;rG;rG;rG;mC;mU;rG;mU;mC;rG;rA;mU;rG;zc3p;zc3p$						

siRNA_ Name	Code Sense 5->3	Code AntiSense 5->3	20 nM	5 nM	1 nM	0.5 nM	0.1 nM	0.05 nM
RHOA_70_S1587	rC;rA;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;rA;rU;rA;rG;rU$	mA;rC;mU;rA;mU;mC;rA;rG;rG;rG;mC;mU;rG;mU;mC;rG;rA;mU;rG;zc3p;zc3p$						
RHOA_70_S1588	rC;rA;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;rA;rU;rA;rG;rU$	mA;rC;mU;rA;mU;mC;rA;rG;rG;rG;mC;mU;rG;rU;mC;rG;rA;mU;rG;zc3p;zc3p$						
RHOA_70_S1589	rC;rA;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;rA;rU;rA;rG;rU$	mA;rC;mU;rA;mU;mC;rA;rG;rG;rG;rC;mU;rG;rU;mC;rG;rA;mU;rG;zc3p;zc3p$						
RHOA_70_S1630	zc6Np;rC;rA;rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;dA;dT;dA;dG;dT$	mA;rC;mU;rA;mU;mC;rA;rG;rG;rG;rC;mU;rG;rU;mC;rG;rA;mU;rG;zc3p;zc3p$						
RHOA_75_S1585	rU;rC;rG;rA;rC;rA;rG;rC;rC;rC;rU;rG;rA;rU;rA;rG;rU;rU;rA$	mU;rA;mA;rC;mU;rA;mU;rC;mA;rG;mG;rG;mC;rU;mG;rU;mC;rG;mA;zc3p;zc3p$						
RHOA_48_S1585	rC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC;rU;rA;rC;rA$	mU;rG;mU;rA;mG;rC;mA;rA;mG;rA;mU;rG;mA;rC;mU;rU;mC;rU;mG;zc3p;zc3p$						
RHOA_48_S1591	rC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC;rU;rA;rC;rA$	mU;rG;mU;rA;rG;mC;rA;rA;rG;rA;mU;rG;rA;mC;mU;mU;mC;mU;rG;zc3p;zc3p$						
RHOA_48_S1592	rC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC;rU;rA;rC;rA$	mU;rG;mU;rA;rG;mC;rA;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$						
RHOA_48_S1593	rC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC;rU;rA;rC;rA$	mU;rG;mU;rA;rG;mC;rA;rA;rG;rA;mU;rG;rA;mC;rU;mU;mC;mU;rG;zc3p;zc3p$						
RHOA_48_S1594	rC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC;rU;rA;rC;rA$	mU;rG;mU;rA;rG;mC;rA;rA;rG;rA;mU;rG;mA;rC;mU;rU;mC;rU;mG;zc3p;zc3p$						
RHOA_48u_S1596	rC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC;rU;rA;rC;yrU$	yrA;mG;rU;mA;rG;mC;rA;mA;rG;rA;mU;rG;mA;rC;mU;rU;mC;rU;mG;zc3p;zc3p$						
RHOA_48_S1626	zc6Np;rC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;dC;dT;dA;dC;dA$	mU;rG;mU;rA;mG;rC;mA;rA;mG;rA;mU;rG;mA;rC;mU;rU;mC;rU;mG;zc3p;zc3p$						
RHOA_48_S1631	zc6Np;rC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;dC;dT;dA;dC;dA$	mU;rG;mU;rA;rG;mC;rA;rA;rG;rA;mU;rG;rA;mC;mU;mU;mC;mU;rG;zc3p;zc3p$						
RHOA_48_S1632	zc6Np;rC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;dC;dT;dA;dC;dA$	mU;rG;mU;rA;rG;mC;rA;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$						
RHOA_48_S1633	zc6Np;rC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;dC;dT;dA;dC;dA$	mU;rG;mU;rA;rG;mC;rA;rA;rG;rA;mU;rG;rA;mC;rU;mU;mC;mU;rG;zc3p;zc3p$						
RHOA_48_S1634	zc6Np;rC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;dC;dT;dA;dC;dA$	mU;rG;mU;rA;rG;mC;rA;rA;rG;rA;mU;rG;mA;rC;mU;rU;mC;rU;mG;zc3p;zc3p$						
RHOA_48u_S1635	zc6Np;rC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;dC;dT;dA;dC;ydT$	yrA;mG;rU;mA;rG;mC;rA;mA;rG;rA;mU;rG;mA;rC;mU;rU;mC;rU;mG;zc3p;zc3p$						

siRNA_ Name	Code Sense 5->3	Code AntiSense 5->3	20 nM	5 nM	1 nM	0.5 nM	0.1 nM	0.05 nM
RHOA_48u_S1812	zidB;rC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC2p;rU2p;rA2p;rC2p;yrU2p;zc3p	yrA;rG;mU;rA;rG;mC;rA2p;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$		20	23	27	54	
RHOA_48u_S1813	zidB;rC;rA;rG;rA;rA;rG;rU;rC;rA2p;rU;rC;rU;mU;rG;rC;mU;rA;rC;yrU;zc3p	yrA;rG;mU;rA;rG;mC;rA2p;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$		16	15	22	42	
RHOA_48_S1814	zidB;rC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC2p;rU2p;rA2p;rC2p;rA2p;zc3p	dU;rG;mU;rA;rG;mC;rA2p;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$		32	59	48	na	
RHOA_48_S1815	zidB;rC;rA;rG;rA;rA;rG;rU;rC;rA2p;rU;rC;rU;rU;rG;rC;mU;rA;mC;rA;zc3p	dU;rG;mU;rA;rG;mC;rA2p;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$		24	31	47	61	
RHOA_48_S1833	zidB;rC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC2p;rU2p;rA2p;rC2p;rA2p;zc3p	mU;rG;mU;rA;rG;mC;rA;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$		16	22	25	35	
RHOA_48_S1834	zidB;rC;rA;rG;rA;rA;rG;rU;rC;rA2p;rU;rC;rU;rU;rG;rC;mU;rA;mC;rA;zc3p	mU;rG;mU;rA;rG;mC;rA;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$		18	36	57	71	
RHOA_48_S1856	zidB;mC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC2p;rU2p;rA2p;rC2p;rA2p;zc3p	mU;rG;mU;rA;rG;mC;rA2p;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$		32	28	48	64	69
RHOA_48_S1857	zidB;mC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC2p;rU2p;rA2p;rC2p;rA2p;zc3p	mU;rG;mU;rA;rG;rC2p;rA;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$		8	10	14	14	32
RHOA_48_S1858	zidB;mC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC2p;rU2p;rA2p;rC2p;rA2p;zc3p	mU;rG;mU;rA;rG;rC2p;rA2p;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$						
RHOA_48_S1859	zidB;mC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC2p;rU2p;rA2p;rC2p;rA2p;zc3p	mU;rG;mU;rA;rG;LdC;rA;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$						
RHOA_48_S1860	zidB;mC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC2p;rU2p;rA2p;rC2p;rA2p;zc3p	mU;rG;mU;rA;rG;mC;rA;LdA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$						
RHOA_48_S1870	zLdG;mC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC2p;rU2p;rA2p;rC2p;yrU2p;zc3p	yrA;rG;mU;rA;rG;mC;rA2p;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$				35	56	59
RHOA_48_S1871	zidB;mC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC2p;rU2p;rA2p;rC2p;yrU2p;zc3p	yrA;rG;mU;rA;rG;mC;rA2p;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$			27	26		73
RHOA_48_S1872	zLdG;mC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC2p;rU2p;rA2p;rC2p;rA2p;zc3p	mU;rG;mU;rA;rG;mC;rA2p;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$			36	61	79	84
RHOA_48_S1873	zLdG;mC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC2p;rU2p;rA2p;rC2p;rA2p;zc3p	mU;rG;mU;rA;rG;rC2p;rA;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$		16	15	18	22	31
RHOA_48_S1874	zLdG;mC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC2p;rU2p;rA2p;rC2p;rA2p;zc3p	mU;rG;mU;rA;rG;rC2p;rA2p;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$						
RHOA_48_S1875	zLdG;mC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC2p;rU2p;rA2p;rC2p;rA2p;zc3p	mU;rG;mU;rA;rG;LdC;rA;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$						

siRNA_ Name	Code Sense 5->3	Code AntiSense 5->3	20 nM	5 nM	1 nM	0.5 nM	0.1 nM	0.05 nM
RHOA_48_ S1876	zLdG;mC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC2p;rU2p;rA2p;rC2p;rA2p;zc3p	mU;rG;mU;rA;rG;mC;rA;LdA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$						
RHOA_48_ S1884	zidB;mC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC2p;rU2p;rA2p;rC2p;rA2p;zc3p	p;LdT;rG;mU;rA;rG;mC;rA2p;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$						
RHOA_48_ S1885	zidB;mC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC2p;rU2p;rA2p;rC2p;rA2p;zc3p	p;rU2p;rG;mU;rA;rG;mC;rA2p;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$						
RHOA_48_ S1886	zidB;mC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC2p;rU2p;rA2p;rC2p;rA2p;zc3p	p;yc3p;rG;mU;rA;rG;mC;rA2p;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$						
RHOA_48_ S1887	zidB;mC;rA;rG;rA;rA;rG;rU;rC;rA;rU;rC;rU;rU;rG;rC2p;rU2p;rA2p;rC2p;rA2p;zc3p	p;mU;rG;mU;rA;rG;mC;rA2p;rA;rG;rA;mU;rG;rA;mC;mU;rU;mC;mU;rG;zc3p;zc3p$						
RHOA_48_ S709				18	26	31 (15)	61 (23)	na (18)
RHOA_50_ S1585	rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;rG;rU;rU;rC;rA$	mU;rG;mA;rA;mC;rU;mG;rU;mA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$						
RHOA_50_ S1604	rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;rG;rU;rU;rC;rA$	mU;rG;rA;rA;mC;mU;rG;mU;rA;rA;mC;mU;mC;mU;rG;mC;mC;rA;rC;zc3p;zc3p$						
RHOA_50_ S1605	rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;rG;rU;rU;rC;rA$	mU;rG;rA;rA;mC;mU;rG;mU;rA;rA;rC;mU;mC;mU;rG;mC;mC;rA;rC;zc3p;zc3p$						
RHOA_50_ S1606	rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;rG;rU;rU;rC;rA$	mU;rG;rA;rA;mC;mU;rG;mU;rA;rA;mC;mU;rC;mU;rG;mC;mC;rA;rC;zc3p;zc3p$						
RHOA_50_ S1607	rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;rG;rU;rU;rC;rA$	mU;rG;rA;rA;mC;mU;rG;mU;rA;rA;mC;rU;rC;mU;rG;mC;mC;rA;rC;zc3p;zc3p$						
RHOA_50_ S1626	zc6Np;rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;dG;dT;dT;dC;dA$	mU;rG;mA;rA;mC;rU;mG;rU;mA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$						
RHOA_50_ S1639	zc6Np;rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;dG;dT;dT;dC;dA$	mU;rG;rA;rA;mC;mU;rG;mU;rA;rA;mC;mU;mC;mU;rG;mC;mC;rA;rC;zc3p;zc3p$						
RHOA_50_ S1640	zc6Np;rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;dG;dT;dT;dC;dA$	mU;rG;rA;rA;mC;mU;rG;mU;rA;rA;rC;mU;mC;mU;rG;mC;mC;rA;rC;zc3p;zc3p$						
RHOA_50_ S1641	zc6Np;rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;dG;dT;dT;dC;dA$	mU;rG;rA;rA;mC;mU;rG;mU;rA;rA;mC;mU;rC;mU;rG;mC;mC;rA;rC;zc3p;zc3p$						
RHOA_50_ S1642	zc6Np;rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;dG;dT;dT;dC;dA$	mU;rG;rA;rA;mC;mU;rG;mU;rA;rA;mC;rU;rC;mU;rG;mC;mC;rA;rC;zc3p;zc3p$						
RHOA_50_ S1787	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;rG2p;rU2p;rU2p;rC2p;rA2p;zc3p	dU;rG;mA;rA;mC;rU;rG2p;rU;mA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		29	46	62	81	

siRNA_ Name	Code Sense 5->3	Code AntiSense 5->3	20 nM	5 nM	1 nM	0.5 nM	0.1 nM	0.05 nM
RHOA_50_ S1793	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;rG2p;rU2p;rU2p;rC2p;rA2p;zc3p	dU;rG;rA;mA;rC;mU;rG2p;mU;rA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		25	46	60	82	
RHOA_50_ S1794	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;rG2p;rU2p;rU2p;rC2p;rA2p;zc3p	dU;rG;rA;rA;mC;mU;rG2p;mU;rA;rA;mC;mU;rC;mU;rG;mC;mC;rA;rC;zc3p;zc3p$		73	72	137	99	
RHOA_50_ S1795	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;mU;rA;mC;rA;rG;rU;rU;mC;rA;zc3p	dU;rG;rA;mA;rC;mU;rG2p;mU;rA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		24	36	51	73	
RHOA_50_ S1796	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;mU;rA;mC;rA;rG;rU;rU;mC;rA;zc3p	dU;rG;mA;rA;mC;rU;rG2p;rU;mA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		16	26	32	42	
RHOA_50_ S1797	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;mU;rA;mC;rA;rG;rU;rU;mC;rA;zc3p	dU;rG;rA;rA;mC;mU;rG2p;mU;rA;rA;mC;mU;rC;mU;rG;mC;mC;rA;rC;zc3p;zc3p$		28	55	66	89	
RHOA_50_ S1798	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;rU;rA;rC;rA;rG;rU;rU;mC;rA;zc3p	dU;rG;rA;mA;rC;mU;rG2p;mU;rA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		15	28	26	51	
RHOA_50_ S1799	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;rU;rA;rC;rA;rG;rU;rU;mC;rA;zc3p	dU;rG;mA;rA;mC;rU;rG2p;rU;mA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		9	15	23	41	
RHOA_50_ S1800	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;rU;rA;rC;rA;rG;rU;rU;mC;rA;zc3p	dU;rG;rA;rA;mC;mU;rG2p;mU;rA;rA;mC;mU;rC;mU;rG;mC;mC;rA;rC;zc3p;zc3p$		24	39	57	74	
RHOA_50_ S1835	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;rG2p;rU2p;rU2p;rC2p;rA2p;zc3p	mU;rG;mA;rA;mC;rU;mG;rU;mA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		51	78	89	94	
RHOA_50_ S1836	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;rG2p;rU2p;rU2p;rC2p;rA2p;zc3p	mU;rG;rA;rA;mC;mU;rG;mU;rA;rA;mC;mU;rC;mU;rG;mC;mC;rA;rC;zc3p;zc3p$		36	54	58	86	
RHOA_50_ S1837	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;mU;rA;mC;rA;rG;rU;rU;mC;rA;zc3p	mU;rG;mA;rA;mC;rU;mG;rU;mA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		41	71	94	117	
RHOA_50_ S1838	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;mU;rA;mC;rA;rG;rU;rU;mC;rA;zc3p	mU;rG;rA;rA;mC;mU;rG;mU;rA;rA;mC;mU;rC;mU;rG;mC;mC;rA;rC;zc3p;zc3p$		34	69	63	92	
RHOA_50_ S1839	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;rU;rA;rC;rA;rG;rU;rU;mC;rA;zc3p	mU;rG;mA;rA;mC;rU;mG;rU;mA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		20	43	51	82	
RHOA_50_ S1840	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;rU;rA;rC;rA;rG;rU;rU;mC;rA;zc3p	mU;rG;rA;rA;mC;mU;rG;mU;rA;rA;mC;mU;rC;mU;rG;mC;mC;rA;rC;zc3p;zc3p$		21	33	50	82	
RHOA_50_ S1865	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;rU;rA;rC;rA;rG;rU;mU;mC;rA;zc3p	dU;rG;rA;mA;rC;mU;rG2p;mU;rA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		7	12	27	50	49
RHOA_50_ S1866	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;rU;rA;rC;rA;rG;rU;mU;mC;rA;zc3p	dU;rG;mA;rA;mC;rU;rG2p;rU;mA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		5	10	22	39	49
RHOA_50_ S1882	zLdG;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;rU;rA;rC;rA;rG;rU;mU;mC;rA;zc3p	dU;rG;rA;mA;rC;mU;rG2p;mU;rA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		11	13	57	na	78

siRNA_ Name	Code Sense 5->3	Code AntiSense 5->3	20 nM	5 nM	1 nM	0.5 nM	0.1 nM	0.05 nM
RHOA_50_ S1883	zLdG;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;rU;rA;rC;rA;rG;rU;mU;mC;rA;zc3p	dU;rG;mA;rA;mC;rU;rG2p;rU;mA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		16	23	34	na	56
RHOA_50_ 709				13	25	30	43	62
RHOA_58_ S992	rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;rG;rU;rU;rC;rU$	rA;mG;rA;mA;rC;mU;rG;mU;rA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$						
RHOA_58_ S1625	zc6Np;rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;dG;dT;dT;dC;dT$	rA;mG;rA;mA;rC;mU;rG;mU;rA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$						
RHOA_58_ S1782	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;rG2p;rU2p;rU2p;rC2p;rU2p;zc3p	rA;rG;mA;rA;mC;rU;rG2p;rU;mA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		18	31	53	63	
RHOA_58_ S1801	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;rG2p;rU2p;rU2p;rC2p;rU2p;zc3p	rA;rG;rA;mA;rC;mU;rG2p;mU;rA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		15	34	40	54	
RHOA_58_ S1802	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;rU;rA;rC;rA;rG2p;rU2p;rU2p;rC2p;rU2p;zc3p	rA;rG;rA;rA;mC;mU;rG2p;mU;rA;rA;mC;mU;rC;mU;rG;mC;mC;rA;rC;zc3p;zc3p$		32	60	64	76	
RHOA_58_ S1803	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;rU;rA;rC;rA;rG2p;rU2p;rU2p;rC2p;rU2p;zc3p	rA;rG;mA;rA;mC;rU;rG2p;rU;mA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		35	54	68	92	
RHOA_58_ S1804	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;rU;rA;rC;rA;rG2p;rU2p;rU2p;rC2p;rU2p;zc3p	rA;rG;rA;mA;rC;mU;rG2p;mU;rA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		19	29	32	67	
RHOA_58_ S1805	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;rU;rA;rC;rA;rG2p;rU2p;rU2p;rC2p;rU2p;zc3p	rA;rG;rA;rA;mC;mU;rG2p;mU;rA;rA;mC;mU;rC;mU;rG;mC;mC;rA;rC;zc3p;zc3p$		28	44	48	95	
RHOA_58_ S1806	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;mU;rA;mC;rA;rG;rU;mU;rC;rU;zc3p	rA;rG;mA;rA;mC;rU;rG2p;rU;mA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		14	20	33	59	
RHOA_58_ S1807	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;mU;rA;mC;rA;rG;rU;mU;rC;rU;zc3p	rA;rG;rA;mA;rC;mU;rG2p;mU;rA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		13	25	36	78	
RHOA_58_ S1808	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;mU;rA;mC;rA;rG;rU;mU;rC;rU;zc3p	rA;rG;rA;rA;mC;mU;rG2p;mU;rA;rA;mC;mU;rC;mU;rG;mC;mC;rA;rC;zc3p;zc3p$		22	42	50	84	
RHOA_58_ S1809	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;rU;rA;rC;rA;rG;rU;mU;rC;rU;zc3p	rA;rG;mA;rA;mC;rU;rG2p;rU;mA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		15	20	33	65	
RHOA_58_ S1810	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;rU;rA;rC;rA;rG;rU;mU;rC;rU;zc3p	rA;rG;rA;mA;rC;mU;rG2p;mU;rA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		17	22	31	73	
RHOA_58_ S1811	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;rU;rA;rC;rA;rG;rU;mU;rC;rU;zc3p	rA;rG;rA;rA;mC;mU;rG2p;mU;rA;rA;mC;mU;rC;mU;rG;mC;mC;rA;rC;zc3p;zc3p$		24	36	62	98	
RHOA_58_ S1861	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;mU;rA;mC;rA;rG;rU;mU;rC;rU;zc3p	rA;rG;rA;mA;rC;rU2p;rG;mU;rA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		11	14	18	45	

siRNA_ Name	Code Sense 5->3	Code AntiSense 5->3	20 nM	5 nM	1 nM	0.5 nM	0.1 nM	0.05 nM
RHOA_58_S1862	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;mU;rA;mC;rA;rG;rU;mU;rC;rU;zc3p	rA;rG;rA;mA;rC;LdT;rG;mU;rA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		13	16	17	51	50
RHOA_58_S1863	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;mU;rA;mC;rA;rG;rU;mU;rC;rU;zc3p	rA;rG;rA;mA;rC;mU;rG;LdT;rA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$						
RHOA_58_S1864	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;mU;rA;mC;rA;rG;rU;mU;rC;rU;zc3p	rA;rG;rA;mA;rC;rU2p;rG2p;mU;rA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$						
RHOA_58_S1867	zidB;rG;rU;rG;rG;rC;rA;rG;rA;rG;rU;mU;rA;mC;rA;rG;rU;mU;rC;rU;zc3p	rA;rG;mA;rA;mC;rU;rG2p;rU;mA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$						
RHOA_58_S1877	zLdG;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;mU;rA;mC;rA;rG;rU;mU;rC;rU;zc3p	rA;rG;mA;rA;mC;rU;rG2p;rU;mA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		7	12	20	45	41
RHOA_58_S1878	zLdG;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;mU;rA;mC;rA;rG;rU;mU;rC;rU;zc3p	rA;rG;rA;mA;rC;rU2p;rG;mU;rA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		7	17	19	43	
RHOA_58_S1879	zLdG;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;mU;rA;mC;rA;rG;rU;mU;rC;rU;zc3p	rA;rG;rA;mA;rC;LdT;rG;mU;rA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$		7	13	21		
RHOA_58_S1880	zLdG;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;mU;rA;mC;rA;rG;rU;mU;rC;rU;zc3p	rA;rG;rA;mA;rC;mU;rG;LdT;rA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$						
RHOA_58_S1881	zLdG;rG;rU;rG;rG;rC;rA;rG;rA;rG2p;rU;mU;rA;mC;rA;rG;rU;mU;rC;rU;zc3p	rA;rG;rA;mA;rC;rU2p;rG2p;mU;rA;rA;mC;rU;mC;rU;mG;rC;mC;rA;mC;zc3p;zc3p$						
RHOA_58_S709				15	21	24	33	

Figure 2

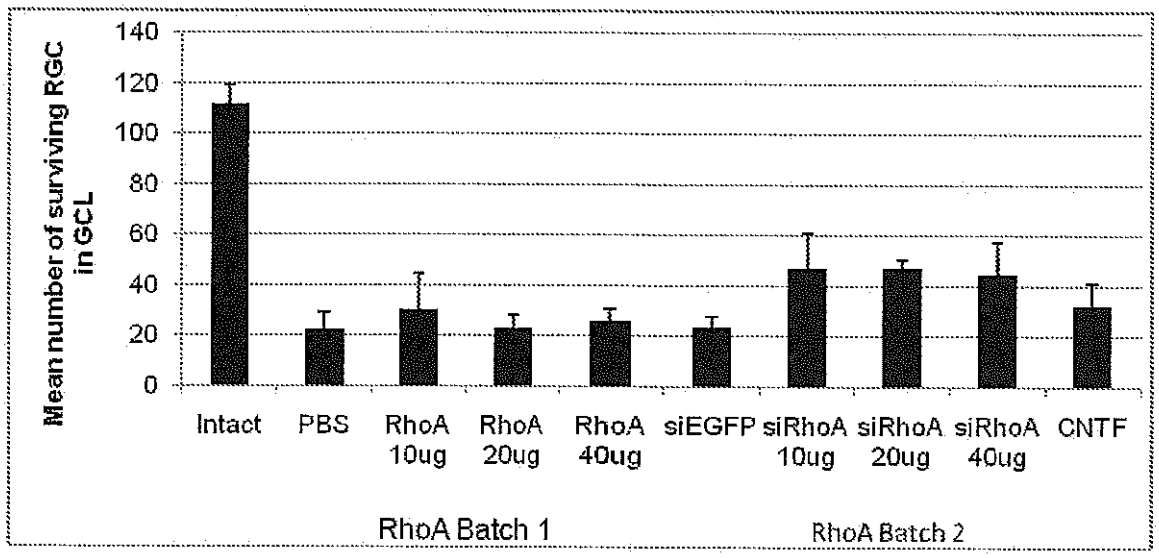


Figure 3

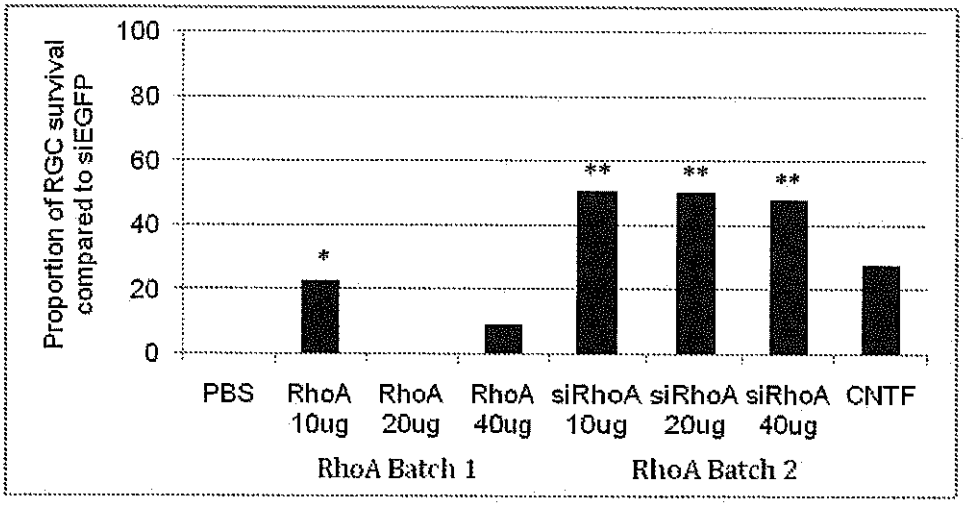
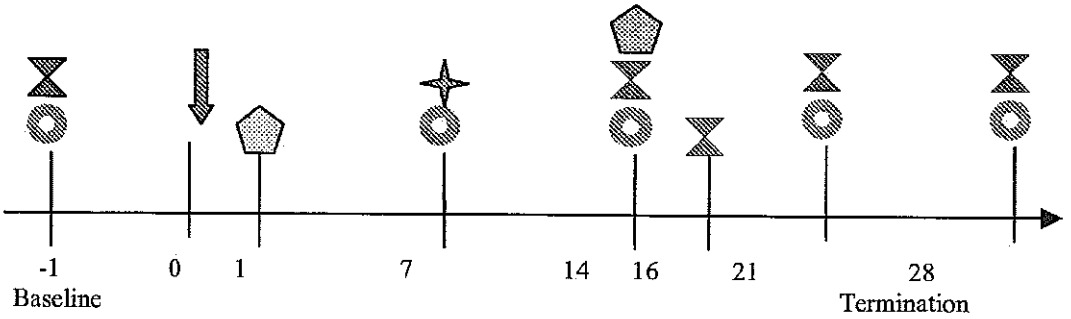


Figure 4



Body Weight measurements

Selection

Pain measurement using Von Frey for all groups

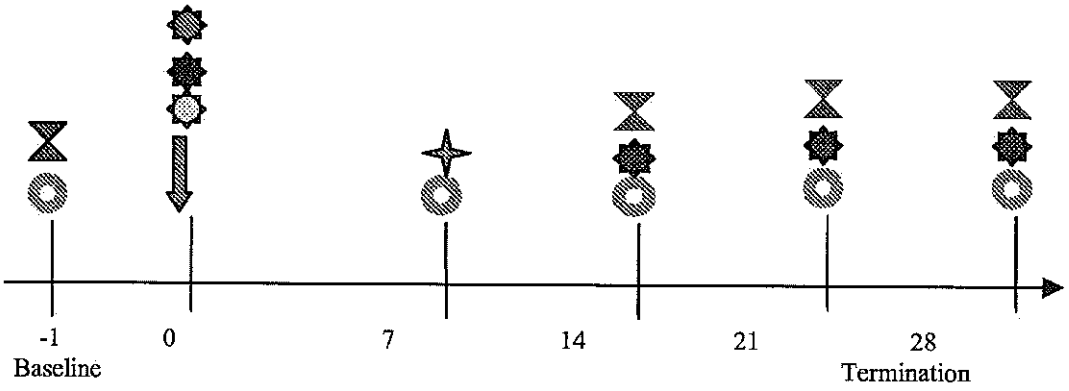
Pain measurement using Von Frey for Groups 2M and 6M

Chung operation

Lumbar IT injection Groups 2M, 4M and 8M

Lumbar IT injection Group 6M

Figure 5



Body Weight measurements

Selection

Pain measurement using Von Frey for all groups

Gabapentin treatment (Group 3M)

Chung operation

ALZET IT pump implantation for Groups 5M and 9M

ALZET IT pump implantation for Group 1M

ALZET IT pump implantation for Group 7M *