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Appendix Table S1

Mean values and significance levels for Figure 1G

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	24.92	8.380	*****	P=1.63 ^{E-08}
WT vs RhoB ^{S73F/S73F}	8.236	4.988	*****	P=1.45 ^{E-06}
WT vs RhoB ^{S73F/S73F}	12.18	7.112	*****	P=7.96 ^{E-07}

Appendix Table S2

Mean values and significance levels for Figure 1H

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	2.498	0.6400	***	P=9.91 ^{E-04}
WT vs RhoB ^{S73F/S73F}	8404	2162	***	P=9.96 ^{E-04}

Appendix Table S3

Mean values and significance levels for Figure 1I

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	0.3720	1.358	*****	P=2.10 ^{E-06}

Appendix Table S4

Mean values and significance levels for Figure 1J

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	0.4947	0.1584	*****	P=1.58 ^{E-06}

Appendix Table S5

Mean values and significance levels for Figure 1K

Comparison	Mean 1	Mean 2	Summary	P Value
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WT vs RhoB ^{S73F/S73F}	23.51	60.00	***	P=8.17 ^{E-04}
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Appendix Table S6

Mean values and significance levels for Figure 2B

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	327.8	596.0	*****	P=3.34 ^{E-05}

Appendix Table S7

Mean values and significance levels for Figure 2C

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	1.000	0.6559	**	P=2.17 ^{E-03}

Appendix Table S8

Mean values and significance levels for Figure 2D

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	1.000	0.06411	*****	P=7.37 ^{E-054}

Appendix Table S9

Mean values and significance levels for Figure 2F

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	0.6935	0.3353	*	P=2.79 ^{E-02}

Appendix Table S10

Mean values and significance levels for Figure 2G

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	104.2	78.29	**	P=2.31 ^{E-03}

Appendix Table S11

Mean values and significance levels for Figure 3C

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	1.000	0.8133	***	P=3.34E-04

Appendix Table S12

Mean values and significance levels for Figure 3E

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	1.000	0.8358	**	P=1.07E-03

Appendix Table S13

Mean values and significance levels for Figure 3F

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	1.000	0.6557	**	P=2.79E-03

Appendix Table S14

Mean values and significance levels for Figure 3G

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	1.000	0.6362	*	P=3.04E-02

Appendix Table S15

Mean values and significance levels for Figure 3H

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	1.000	0.7782	**	P=7.34E-03

Appendix Table S16

Mean values and significance levels for Figure 4B

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	36.59	65.06	*	P=3.15 ^{E-02}
WT vs RhoB ^{S73F/S73F}	21.23	46.34	*	P=2.01 ^{E-02}

Appendix Table S17

Mean values and significance levels for Figure 4C

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	0.8936	1.508	**	P=2.73 ^{E-03}
WT vs RhoB ^{S73F/S73F}	1.207	1.862	***	P=3.11 ^{E-04}
WT vs RhoB ^{S73F/S73F}	1.166	1.794	***	P=8.67 ^{E-04}

Appendix Table S18

Mean values and significance levels for Figure 4D

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	4.472	8.600	*	P=1.19 ^{E-02}
WT vs RhoB ^{S73F/S73F}	6.192	10.84	**	P=1.96 ^{E-03}
WT vs RhoB ^{S73F/S73F}	7.396	13.42	*	P=1.04 ^{E-02}

Appendix Table S19

Mean values and significance levels for Figure 4E

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	1.000	1.804	*	P=1.87 ^{E-02}
WT vs RhoB ^{S73F/S73F}	1.000	5.898	*	P=1.01 ^{E-02}
WT vs RhoB ^{S73F/S73F}	1.000	5.225	**	P=2.44 ^{E-03}

Appendix Table S20

Mean values and significance levels for Figure 4F

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	1.000	1.435	*	P=1.20 ^{E-02}
WT vs RhoB ^{S73F/S73F}	1.000	1.688	**	P=1.01 ^{E-03}
WT vs RhoB ^{S73F/S73F}	1.000	1.478	*	P=4.89 ^{E-02}

Appendix Table S21

Mean values and significance levels for Figure 4G

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	1.000	1.735	*	P=4.99 ^{E-02}
WT vs RhoB ^{S73F/S73F}	1.000	1.486	**	P=4.35 ^{E-03}
WT vs RhoB ^{S73F/S73F}	1.000	1.963	*	P=4.59 ^{E-02}

Appendix Table S22

Mean values and significance levels for Figure 5D

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	1.000	1.434	*	P=1.09 ^{E-02}
WT vs RhoB ^{S73F/S73F}	1.000	1.387	*****	P=9.14 ^{E-05}
WT vs RhoB ^{S73F/S73F}	1.000	1.388	*	P=2.08 ^{E-02}

Appendix Table S23

Mean values and significance levels for Figure 5E

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	1.000	1.157	**	P=4.24 ^{E-03}
WT vs RhoB ^{S73F/S73F}	1.000	1.419	*	P=1.73 ^{E-02}
WT vs RhoB ^{S73F/S73F}	1.000	1.308	*	P=1.23 ^{E-02}

Appendix Table S24

Mean values and significance levels for Figure 5F

Comparison	Mean 1	Mean 2	Summary	Adjusted P Value
WT vs WT+LYN	1.000	1.292	*	P=4.98 ^{E-02}
WT vs WT+LYN Y397D	1.000	1.836	***	P=2.92 ^{E-04}

Appendix Table S25

Mean values and significance levels for Figure 5G

Comparison	Mean 1	Mean 2	Summary	Adjusted P Value
WT vs WT-LYN	1.000	0.6090	*	P=3.02 ^{E-02}
RhoB ^{S73F/S73F} vs RhoB ^{S73F/S73F} -LYN	1.398	0.9341	*	P=1.23 ^{E-02}

Appendix Table S26

Mean values and significance levels for Figure 6B

Comparison	Mean 1	Mean 2	Summary	Adjusted P Value
WT vs RhoB ^{S73F/S73F}	77.76	163.7	*****	P=3.00 ^{E-06}
RhoB ^{S73F/S73F} vs RhoB ^{S73F/S73F} +ATV	163.7	85.95	*****	P=6.39 ^{E-06}

Appendix Table S27

Mean values and significance levels for Figure 6D

Comparison	Mean 1	Mean 2	Summary	Adjusted P Value
WT vs RhoB ^{S73F/S73F}	1.204	1.685	***	P=1.87 ^{E-04}
RhoB ^{S73F/S73F} vs RhoB ^{S73F/S73F} +ATV	1.685	1.411	**	P=7.53 ^{E-03}

Appendix Table S28

Mean values and significance levels for Figure 6E

Comparison	Mean 1	Mean 2	Summary	Adjusted P Value
WT vs RhoB ^{S73F/S73F}	0.4773	0.5271	*	P=1.21 ^{E-02}
RhoB ^{S73F/S73F} vs RhoB ^{S73F/S73F} +ATV	0.5271	0.4828	*	P=3.02 ^{E-02}

Appendix Table S29

Mean values and significance levels for Figure 6F

Comparison	Mean 1	Mean 2	Summary	Adjusted P Value
WT vs RhoB ^{S73F/S73F}	1.000	1.874	**	P=2.20 ^{E-03}
RhoB ^{S73F/S73F} vs RhoB ^{S73F/S73F} +ATV	1.874	1.338	*	P=3.53 ^{E-02}

Appendix Table S30

Mean values and significance levels for Figure 6G

Comparison	Mean 1	Mean 2	Summary	Adjusted P Value
WT vs RhoB ^{S73F/S73F}	1.000	1.841	***	P=5.73 ^{E-04}
RhoB ^{S73F/S73F} vs RhoB ^{S73F/S73F} +ATV	1.841	1.340	*	P=1.45 ^{E-02}

Appendix Table S31

Mean values and significance levels for Figure 6H

Comparison	Mean 1	Mean 2	Summary	Adjusted P Value
WT vs RhoB ^{S73F/S73F}	1.000	2.082	****	P=6.66 ^{E-05}
RhoB ^{S73F/S73F} vs RhoB ^{S73F/S73F} +ATV	2.082	1.625	*	P=1.82 ^{E-02}

Appendix Table S32

Mean values and significance levels for Figure 6I

Comparison	Mean 1	Mean 2	Summary	Adjusted P Value
WT vs RhoB ^{S73F/S73F}	1.000	0.5782	****	P=1.28 ^{E-04}
RhoB ^{S73F/S73F} vs RhoB ^{S73F/S73F} +ATV	0.5782	0.7551	*	P=2.99 ^{E-02}

Appendix Table S33

Mean values and significance levels for Figure EV1I

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	24.06	12.79	*****	P=1.24 ^{E-06}
WT vs RhoB ^{S73F/S73F}	8.600	3.108	*****	P=5.75 ^{E-09}
WT vs RhoB ^{S73F/S73F}	12.20	6.624	*****	P=2.75 ^{E-07}

Appendix Table S34

Mean values and significance levels for Figure EV2D

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	1.000	0.8543	*	P=4.71 ^{E-02}

Appendix Table S35

Mean values and significance levels for Figure EV2E

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	1.000	1.311	**	P=1.95 ^{E-03}

Appendix Table S36

Mean values and significance levels for Figure EV3A

Comparison	Mean 1	Mean 2	Summary	P Value
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WT vs RhoB ^{S73F/S73F}	1.000	1.493	*	P=4.48 ^{E-02}
WT vs RhoB ^{S73F/S73F}	1.000	1.797	*	P=3.49 ^{E-02}
WT vs RhoB ^{S73F/S73F}	1.000	1.224	*	P=3.37 ^{E-02}

Appendix Table S37

Mean values and significance levels for Figure EV3B

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	1.000	1.320	**	P=3.34 ^{E-03}

Appendix Table S38

Mean values and significance levels for Figure EV3F

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	1.000	1.338	**	P=5.03 ^{E-03}

Appendix Table S39

Mean values and significance levels for Figure EV3G

Comparison	Mean 1	Mean 2	Summary	P Value
WT vs RhoB ^{S73F/S73F}	1.000	1.218	***	2.56 ^{E-04}