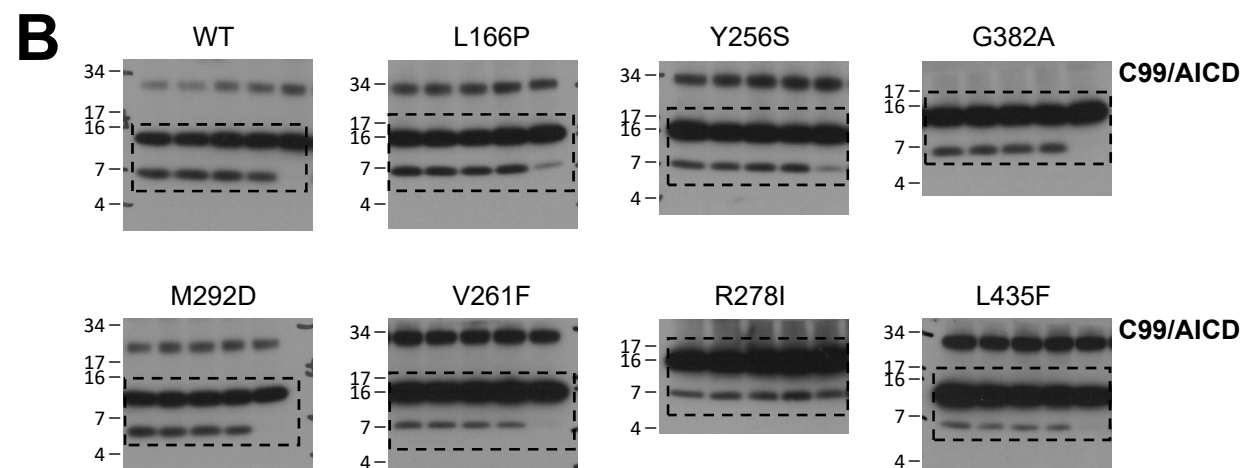


A A β 37+A β 38 production (Rel. to DMSO-treated)

	50 nM RO7019009			500 nM RO7019009			2500 nM RO7019009		
WT	1.24	1.76	1.62	1.42	1.96	1.92	0.97	1.42	1.45
L166P	4.21	2.55	4.24	8.62	4.29	7.37	9.73	4.89	7.01
Y256S	1.73	1.17	1.47	2.31	1.58	1.62	2.50	1.58	1.97
G382A	1.70	1.72	1.51	1.87	1.78	1.65	1.60	1.50	1.77
M292D	1.75	1.54	1.89	2.53	2.65	2.81	2.34	2.12	2.66
V261F	n.d.	4.62	1.74	n.d.	6.01	2.26	n.d.	6.38	3.11
R278I	2.34	4.28	5.12	4.10	8.59	9.78	6.44	10.00	14.03
L435F	1.08	1.82	1.07	1.41	1.97	1.46	1.65	2.00	1.95



C AICD production (Rel. to DMSO-treated)

	50 nM RO7019009					500 nM RO7019009					2500 nM RO7019009					5 μ M L-685,458				
WT	1.06	1.00	0.99	1.01	0.93	0.84	0.99	0.86	0.91	0.93	0.69	1.00	0.64	0.81	0.81	0.38	0.21	0.02	0.04	0.00
L166P	0.95	0.75	0.85	1.03	0.88	0.96	1.01	0.68	0.86	0.77	1.01	0.92	0.71	0.94	0.68	0.38	0.37	0.61	0.16	
Y256S	1.29	1.15	0.79	1.12	1.10	1.29	1.57	0.52	0.96	1.19	1.24	1.35	0.60	0.99	1.51	0.65	0.36	0.47	0.39	
G382A	1.28	1.12	0.98	1.00	0.99	1.26	1.33	0.92	0.95	0.96	1.33	1.21	0.91	0.74	0.96	0.31	-0.11	0.13	0.11	
M292D	1.08	1.03	0.91	0.95	1.02	1.10	1.07	0.87	0.83	0.95	0.92	0.96	0.77	0.77	0.94	0.04	0.00	0.02	-0.02	
V261F	1.03	n.d.	0.93	1.26	0.94	1.08	n.d.	0.91	1.22	0.99	1.15	n.d.	0.92	0.98	0.91	n.d.	0.18	0.33	0.11	
R278I	1.35	n.d.	1.13	0.93	1.00	1.39	n.d.	0.97	0.93	1.11	1.17	n.d.	1.06	1.10	1.28	n.d.	0.64	0.77	1.00	
L435F	0.81	1.02	1.16	0.93	0.83	0.56	0.69	1.16	0.77	0.78	0.82	1.13	1.33	0.57	0.65	0.71	0.32	0.17	0.19	