

TABLE 1

Penn Sample ID	A3A expression relative to cyclophilin (log 10)	Group
S2461	0.000611598	low APOBEC3A
S323	0.001926293	low APOBEC3A
S2258	0.002301022	low APOBEC3A
S2613	0.00255424	low APOBEC3A
S428	0.004574909	low APOBEC3A
S362	0.007079403	low APOBEC3A
S197	0.007409273	low APOBEC3A
S895	0.007823963	low APOBEC3A
S1658	0.008065984	low APOBEC3A
S1737	0.010164617	low APOBEC3A
S1108	0.010308271	low APOBEC3A
S651	0.010371989	low APOBEC3A
S2753	0.011319051	low APOBEC3A
S1756	0.011691269	low APOBEC3A
S786	0.014790284	low APOBEC3A
S997	0.015564591	low APOBEC3A
S1094	0.017301962	low APOBEC3A
S519	0.018158313	low APOBEC3A
S761	0.019663723	low APOBEC3A
S2711	0.022035735	low APOBEC3A
S2248	0.025165841	low APOBEC3A
S272	0.025905368	low APOBEC3A
S970	0.033763014	low APOBEC3A
S969	0.037615904	low APOBEC3A
S602	0.039259964	low APOBEC3A
S420	0.040376653	low APOBEC3A
S705	0.043434726	low APOBEC3A
S690	0.043510822	low APOBEC3A
S477	0.045617662	low APOBEC3A
S876	0.056650949	low APOBEC3A
S469	0.06865005	low APOBEC3A
S2424	0.077857529	low APOBEC3A
S1073-2	0.078356702	low APOBEC3A
S2297	0.092525831	low APOBEC3A
S528	0.099074762	low APOBEC3A
S297	0.102402322	low APOBEC3A
S1065	0.105490441	low APOBEC3A
S268	0.141113013	low APOBEC3A
S414	0.15210809	low APOBEC3A
S389	0.164934084	low APOBEC3A
S953	0.182938044	low APOBEC3A
S1885	0.207935379	low APOBEC3A
S1245	0.212591696	low APOBEC3A

S2647	0.227195053	low APOBEC3A
S232	0.234023307	low APOBEC3A
S319	0.280119807	low APOBEC3A
S1770	0.290184066	low APOBEC3A
S227	0.291720781	low APOBEC3A
S520	0.331774659	low APOBEC3A
S261	0.343474486	low APOBEC3A
S971	0.350772928	low APOBEC3A
S2566	0.356820728	low APOBEC3A
S2698	0.378368568	low APOBEC3A
S329	0.398854104	low APOBEC3A
S1236	0.40516484	low APOBEC3A
S935	0.428905672	low APOBEC3A
S229	0.522063034	low APOBEC3A
S1467	0.552099424	low APOBEC3A
S190	0.573951207	low APOBEC3A
S239	0.620668731	low APOBEC3A
S2221	0.668016387	low APOBEC3A
S754	0.689128462	low APOBEC3A
S620	0.865448073	low APOBEC3A
S1054	1.005715731	low APOBEC3A
S318	1.100827146	low APOBEC3A
S580	1.752114782	high APOBEC3A
S1780	1.868240249	high APOBEC3A
S182	2.433858149	high APOBEC3A
S2750	2.546349823	high APOBEC3A
S423	2.581759827	high APOBEC3A
S131	7.111841066	high APOBEC3A
S2170	7.680550894	high APOBEC3A
S311	8.124450294	high APOBEC3A
S842	14.34989213	high APOBEC3A
S933	24.89573872	high APOBEC3A

TARGET sample ID	Normalized A3A read count	Group	File name	Case ID
TARGET.20.PADDXZ.03A.02R	0.717027549	low APOBEC3A	TARGET-20-PADDXZ-03A-02R.gene.quantification.txt	TARGET-20-PADDXZ-03A-02R
TARGET.20.PANJGR.09A.03R	1.294710383	low APOBEC3A	TARGET-20-PANJGR-09A-03R.gene.quantification.txt	TARGET-20-PANJGR-09A-03R
TARGET.21.PANVPB.09A.02R	1.940649679	low APOBEC3A	TARGET-21-PANVPB-09A-02R.gene.quantification.txt	TARGET-21-PANVPB-09A-02R
TARGET.20.PASWLN.09A.01R	2.191293374	low APOBEC3A	TARGET-20-PASWLN-09A-01R.gene.quantification.txt	TARGET-20-PASWLN-09A-01R
TARGET.20.PARGVC.03A.03R	2.930822631	low APOBEC3A	TARGET-20-PARGVC-03A-03R.gene.quantification.txt	TARGET-20-PARGVC-03A-03R
TARGET.20.PANVBP.09A.02R	4.409221264	low APOBEC3A	TARGET-20-PANVBP-09A-02R.gene.quantification.txt	TARGET-20-PANVBP-09A-02R
TARGET.20.PARCCH.03A.03R	5.11659968	low APOBEC3A	TARGET-20-PARCCH-03A-03R.gene.quantification.txt	TARGET-20-PARCCH-03A-03R
TARGET.20.PARGTL.09A.02R	5.758412472	low APOBEC3A	TARGET-20-PARGTL-09A-02R.gene.quantification.txt	TARGET-20-PARGTL-09A-02R
TARGET.20.PANVGP.03A.04R	7.147706033	low APOBEC3A	TARGET-20-PANVGP-03A-04R.gene.quantification.txt	TARGET-20-PANVGP-03A-04R
TARGET.20.PARHJV.09A.01R	7.960646575	low APOBEC3A	TARGET-20-PARHJV-09A-01R.gene.quantification.txt	TARGET-20-PARHJV-09A-01R
TARGET.20.PAKERZ.09A.01R	8.420362498	low APOBEC3A	TARGET-20-PAKERZ-09A-01R.gene.quantification.txt	TARGET-20-PAKERZ-09A-01R
TARGET.20.PARHVK.09A.04R	9.559195637	low APOBEC3A	TARGET-20-PARHVK-09A-04R.gene.quantification.txt	TARGET-20-PARHVK-09A-04R
TARGET.20.PARDDA.09A.02R	9.783622891	low APOBEC3A	TARGET-20-PARDDA-09A-02R.gene.quantification.txt	TARGET-20-PARDDA-09A-02R
TARGET.20.PABHET.03A.02R	14.73626835	low APOBEC3A	TARGET-20-PABHET-03A-02R.gene.quantification.txt	TARGET-20-PABHET-03A-02R
TARGET.20.PASWPD.09A.02R	15.54512017	low APOBEC3A	TARGET-20-PASWPD-09A-02R.gene.quantification.txt	TARGET-20-PASWPD-09A-02R
TARGET.20.PANLIZ.09A.03R	16.3175941	low APOBEC3A	TARGET-20-PANLIZ-09A-03R.gene.quantification.txt	TARGET-20-PANLIZ-09A-03R
TARGET.20.PANHYK.09A.01R	16.60259923	low APOBEC3A	TARGET-20-PANHYK-09A-01R.gene.quantification.txt	TARGET-20-PANHYK-09A-01R
TARGET.20.PARURV.09A.02R	16.921871	low APOBEC3A	TARGET-20-PARURV-09A-02R.gene.quantification.txt	TARGET-20-PARURV-09A-02R
TARGET.20.PANFMG.09A.04R	23.13794085	low APOBEC3A	TARGET-20-PANFMG-09A-04R.gene.quantification.txt	TARGET-20-PANFMG-09A-04R
TARGET.20.PARCUK.09A.03R	23.20698162	low APOBEC3A	TARGET-20-PARCUK-09A-03R.gene.quantification.txt	TARGET-20-PARCUK-09A-03R
TARGET.20.PAKKBK.09A.02R	24.16952005	low APOBEC3A	TARGET-20-PAKKBK-09A-02R.gene.quantification.txt	TARGET-20-PAKKBK-09A-02R
TARGET.20.PASBHI.09A.01R	25.88399366	low APOBEC3A	TARGET-20-PASBHI-09A-01R.gene.quantification.txt	TARGET-20-PASBHI-09A-01R
TARGET.20.PAKSMZ.03A.02R	27.61070376	low APOBEC3A	TARGET-20-PAKSMZ-03A-02R.gene.quantification.txt	TARGET-20-PAKSMZ-03A-02R
TARGET.20.PAEFGT.03A.01R	27.92178732	low APOBEC3A	TARGET-20-PAEFGT-03A-01R.gene.quantification.txt	TARGET-20-PAEFGT-03A-01R
TARGET.20.PASREH.09A.02R	28.29525431	low APOBEC3A	TARGET-20-PASREH-09A-02R.gene.quantification.txt	TARGET-20-PASREH-09A-02R
TARGET.20.PARMME.09A.02R	29.65029377	low APOBEC3A	TARGET-20-PAARMME-09A-02R.gene.quantification.txt	TARGET-20-PAARMME-09A-02R
TARGET.20.PARLMY.09A.01R	30.61381141	low APOBEC3A	TARGET-20-PARLMY-09A-01R.gene.quantification.txt	TARGET-20-PARLMY-09A-01R
TARGET.20.PASEGC.09A.01R	31.26224153	low APOBEC3A	TARGET-20-PASEGC-09A-01R.gene.quantification.txt	TARGET-20-PASEGC-09A-01R
TARGET.20.PARHBA.03A.02R	31.54405511	low APOBEC3A	TARGET-20-PARHBA-03A-02R.gene.quantification.txt	TARGET-20-PARHBA-03A-02R
TARGET.20.PACDZR.09A.02R	31.81624221	low APOBEC3A	TARGET-20-PACDZR-09A-02R.gene.quantification.txt	TARGET-20-PACDZR-09A-02R
TARGET.20.PASJEJ.09A.02R	36.04772468	low APOBEC3A	TARGET-20-PASJEJ-09A-02R.gene.quantification.txt	TARGET-20-PASJEJ-09A-02R
TARGET.20.PASECW.09A.04R	37.17378282	low APOBEC3A	TARGET-20-PASECW-09A-04R.gene.quantification.txt	TARGET-20-PASECW-09A-04R
TARGET.20.PASIZX.09A.01R	37.27194897	low APOBEC3A	TARGET-20-PASIZX-09A-01R.gene.quantification.txt	TARGET-20-PASIZX-09A-01R
TARGET.20.PANLXM.09A.03R	38.83974625	low APOBEC3A	TARGET-20-PANLXM-09A-03R.gene.quantification.txt	TARGET-20-PANLXM-09A-03R
TARGET.20.PARENB.09A.03R	41.71140015	low APOBEC3A	TARGET-20-PARENB-09A-03R.gene.quantification.txt	TARGET-20-PARENB-09A-03R
TARGET.20.PARCZL.09A.02R	42.62918216	low APOBEC3A	TARGET-20-PARCZL-09A-02R.gene.quantification.txt	TARGET-20-PARCZL-09A-02R
TARGET.20.PAECBZ.09A.03R	42.76456582	low APOBEC3A	TARGET-20-PAECBZ-09A-03R.gene.quantification.txt	TARGET-20-PAECBZ-09A-03R
TARGET.20.PASPTW.09A.02R	43.99112484	low APOBEC3A	TARGET-20-PASPTW-09A-02R.gene.quantification.txt	TARGET-20-PASPTW-09A-02R
TARGET.20.PAEJBT.09A.02R	47.74170886	low APOBEC3A	TARGET-20-PAEJBT-09A-02R.gene.quantification.txt	TARGET-20-PAEJBT-09A-02R
TARGET.20.PANLXK.09A.03R	47.9442863	low APOBEC3A	TARGET-20-PANLXK-09A-03R.gene.quantification.txt	TARGET-20-PANLXK-09A-03R
TARGET.20.PASWTY.09A.01R	51.96600607	low APOBEC3A	TARGET-20-PASWTY-09A-01R.gene.quantification.txt	TARGET-20-PASWTY-09A-01R
TARGET.20.PARKFB.09A.02R	53.98420204	low APOBEC3A	TARGET-20-PARKFB-09A-02R.gene.quantification.txt	TARGET-20-PARKFB-09A-02R
TARGET.20.PANLJN.09A.03R	55.06071808	low APOBEC3A	TARGET-20-PANLJN-09A-03R.gene.quantification.txt	TARGET-20-PANLJN-09A-03R
TARGET.20.PANNJI.09A.03R	57.94768732	low APOBEC3A	TARGET-20-PANNJI-09A-03R.gene.quantification.txt	TARGET-20-PANNJI-09A-03R
TARGET.20.PARTYV.09A.03R	60.466192	low APOBEC3A	TARGET-20-PARTYV-09A-03R.gene.quantification.txt	TARGET-20-PARTYV-09A-03R
TARGET.20.PARIZR.03A.02R	62.95003256	low APOBEC3A	TARGET-20-PARIZR-03A-02R.gene.quantification.txt	TARGET-20-PARIZR-03A-02R
TARGET.20.PABHKY.03A.02R	63.63237969	low APOBEC3A	TARGET-20-PABHKY-03A-02R.gene.quantification.txt	TARGET-20-PABHKY-03A-02R
TARGET.20.PARZWH.09A.03R	64.22849285	low APOBEC3A	TARGET-20-PARZWH-09A-03R.gene.quantification.txt	TARGET-20-PARZWH-09A-03R
TARGET.20.PANKFG.09A.02R	65.37880888	low APOBEC3A	TARGET-20-PANKFG-09A-02R.gene.quantification.txt	TARGET-20-PANKFG-09A-02R
TARGET.20.PAERAH.09A.03R	67.5985909	low APOBEC3A	TARGET-20-PAERAH-09A-03R.gene.quantification.txt	TARGET-20-PAERAH-09A-03R
TARGET.20.PATBFL.09A.01R	67.80420342	low APOBEC3A	TARGET-20-PATBFL-09A-01R.gene.quantification.txt	TARGET-20-PATBFL-09A-01R
TARGET.20.PAPAEG.09A.02R	68.68057426	low APOBEC3A	TARGET-20-PAPAEG-09A-02R.gene.quantification.txt	TARGET-20-PAPAEG-09A-02R
TARGET.20.PARYVW.09A.01R	69.83008931	low APOBEC3A	TARGET-20-PARYVW-09A-01R.gene.quantification.txt	TARGET-20-PARYVW-09A-01R
TARGET.20.PANLLX.09A.01R	69.84227802	low APOBEC3A	TARGET-20-PANLLX-09A-01R.gene.quantification.txt	TARGET-20-PANLLX-09A-01R
TARGET.20.PARAJX.09A.02R	69.97907757	low APOBEC3A	TARGET-20-PARAJX-09A-02R.gene.quantification.txt	TARGET-20-PARAJX-09A-02R
TARGET.20.PASFNP.09A.02R	70.95005008	low APOBEC3A	TARGET-20-PASFNP-09A-02R.gene.quantification.txt	TARGET-20-PASFNP-09A-02R
TARGET.20.PANDER.09A.02R	74.21083933	low APOBEC3A	TARGET-20-PANDER-09A-02R.gene.quantification.txt	TARGET-20-PANDER-09A-02R
TARGET.20.PASFLM.09A.01R	74.35386952	low APOBEC3A	TARGET-20-PASFLM-09A-01R.gene.quantification.txt	TARGET-20-PASFLM-09A-01R
TARGET.20.PARVUA.03A.02R	76.45436161	low APOBEC3A	TARGET-20-PARVUA-03A-02R.gene.quantification.txt	TARGET-20-PARVUA-03A-02R
TARGET.20.PARDZW.09A.01R	78.83452817	low APOBEC3A	TARGET-20-PARDZW-09A-01R.gene.quantification.txt	TARGET-20-PARDZW-09A-01R
TARGET.20.PARUWX.09A.02R	82.92449743	low APOBEC3A	TARGET-20-PARUWX-09A-02R.gene.quantification.txt	TARGET-20-PARUWX-09A-02R
TARGET.20.PANSBH.09A.05R	83.35668138	low APOBEC3A	TARGET-20-PANSBH-09A-05R.gene.quantification.txt	TARGET-20-PANSBH-09A-05R
TARGET.20.PARHVI.03A.03R	84.48357252	low APOBEC3A	TARGET-20-PARHVI-03A-03R.gene.quantification.txt	TARGET-20-PARHVI-03A-03R
TARGET.20.PASVYL.09A.01R	85.10610336	low APOBEC3A	TARGET-20-PASVYL-09A-01R.gene.quantification.txt	TARGET-20-PASVYL-09A-01R
TARGET.20.PASMHY.03A.03R	85.48028681	low APOBEC3A	TARGET-20-PASMHY-03A-03R.gene.quantification.txt	TARGET-20-PASMHY-03A-03R
TARGET.20.PAPXUF.09A.01R	87.03231994	low APOBEC3A	TARGET-20-PAPXUF-09A-01R.gene.quantification.txt	TARGET-20-PAPXUF-09A-01R
TARGET.20.PARCEV.09A.02R	90.08995464	low APOBEC3A	TARGET-20-PARCEV-09A-02R.gene.quantification.txt	TARGET-20-PARCEV-09A-02R
TARGET.20.PARUNX.09A.04R	90.97365373	low APOBEC3A	TARGET-20-PARUNX-09A-04R.gene.quantification.txt	TARGET-20-PARUNX-09A-04R
TARGET.20.PAPBEJ.09A.03R	97.19337915	low APOBEC3A	TARGET-20-PAPBEJ-09A-03R.gene.quantification.txt	TARGET-20-PAPBEJ-09A-03R
TARGET.20.PATDNN.09A.03R	97.34424466	low APOBEC3A	TARGET-20-PATDNN-09A-03R.gene.quantification.txt	TARGET-20-PATDNN-09A-03R
TARGET.20.PASPGA.09A.02R	100.7923104	low APOBEC3A	TARGET-20-PASPGA-09A-02R.gene.quantification.txt	TARGET-20-PASPGA-09A-02R

TARGET.20.PANINI.09A.03R	104.8782706	low APOBEC3A	TARGET-20-PANINI-09A-03R.gene.quantification.txt	TARGET-20-PANINI-09A-03R
TARGET.21.PASSLT.09A.01R	105.4146519	low APOBEC3A	TARGET-21-PASSLT-09A-01R.gene.quantification.txt	TARGET-21-PASSLT-09A-01R
TARGET.20.PARDDY.09A.05R	106.285208	low APOBEC3A	TARGET-20-PARDDY-09A-05R.gene.quantification.txt	TARGET-20-PARDDY-09A-05R
TARGET.20.PARPDS.09A.01R	108.5481031	low APOBEC3A	TARGET-20-PARPDS-09A-01R.gene.quantification.txt	TARGET-20-PARPDS-09A-01R
TARGET.20.PABLDZ.09A.04R	112.4233796	low APOBEC3A	TARGET-20-PABLDZ-09A-04R.gene.quantification.txt	TARGET-20-PABLDZ-09A-04R
TARGET.20.PASGGK.03A.01R	116.0217391	low APOBEC3A	TARGET-20-PASGGK-03A-01R.gene.quantification.txt	TARGET-20-PASGGK-03A-01R
TARGET.20.PARZUU.09A.04R	118.3466367	low APOBEC3A	TARGET-20-PARZUU-09A-04R.gene.quantification.txt	TARGET-20-PARZUU-09A-04R
TARGET.20.PANUUA.09A.02R	121.3065583	low APOBEC3A	TARGET-20-PANUUA-09A-02R.gene.quantification.txt	TARGET-20-PANUUA-09A-02R
TARGET.20.PANBZH.09A.03R	124.9862232	low APOBEC3A	TARGET-20-PANBZH-09A-03R.gene.quantification.txt	TARGET-20-PANBZH-09A-03R
TARGET.20.PANGJY.09A.03R	127.7131546	low APOBEC3A	TARGET-20-PANGJY-09A-03R.gene.quantification.txt	TARGET-20-PANGJY-09A-03R
TARGET.20.PASXYG.09A.05R	130.873972	low APOBEC3A	TARGET-20-PASXYG-09A-05R.gene.quantification.txt	TARGET-20-PASXYG-09A-05R
TARGET.20.PANLKB.09A.03R	132.3013216	low APOBEC3A	TARGET-20-PANLKB-09A-03R.gene.quantification.txt	TARGET-20-PANLKB-09A-03R
TARGET.20.PANSJB.09A.03R	137.8778155	low APOBEC3A	TARGET-20-PANSJB-09A-03R.gene.quantification.txt	TARGET-20-PANSJB-09A-03R
TARGET.20.PASCCS.09A.01R	141.2112765	low APOBEC3A	TARGET-20-PASCCS-09A-01R.gene.quantification.txt	TARGET-20-PASCCS-09A-01R
TARGET.20.PASPKE.09A.04R	141.6832161	low APOBEC3A	TARGET-20-PASPKE-09A-04R.gene.quantification.txt	TARGET-20-PASPKE-09A-04R
TARGET.20.PARPF.09A.02R	143.0442038	low APOBEC3A	TARGET-20-PARPF-09A-02R.gene.quantification.txt	TARGET-20-PARPF-09A-02R
TARGET.20.PASLDL.09A.02R	145.6952968	low APOBEC3A	TARGET-20-PASLDL-09A-02R.gene.quantification.txt	TARGET-20-PASLDL-09A-02R
TARGET.20.PARPVZ.09A.02R	146.2778997	low APOBEC3A	TARGET-20-PARPVZ-09A-02R.gene.quantification.txt	TARGET-20-PARPVZ-09A-02R
TARGET.20.PANZKA.09A.04R	148.5573231	low APOBEC3A	TARGET-20-PANZKA-09A-04R.gene.quantification.txt	TARGET-20-PANZKA-09A-04R
TARGET.20.PAEEYP.09A.02R	154.5730583	low APOBEC3A	TARGET-20-PAEEYP-09A-02R.gene.quantification.txt	TARGET-20-PAEEYP-09A-02R
TARGET.20.PARJWH.09A.01R	161.4335618	low APOBEC3A	TARGET-20-PARJWH-09A-01R.gene.quantification.txt	TARGET-20-PARJWH-09A-01R
TARGET.20.PARBIU.09A.03R	164.1995641	low APOBEC3A	TARGET-20-PARBIU-09A-03R.gene.quantification.txt	TARGET-20-PARBIU-09A-03R
TARGET.20.PAECCE.09A.01R	172.6032839	low APOBEC3A	TARGET-20-PAECCE-09A-01R.gene.quantification.txt	TARGET-20-PAECCE-09A-01R
TARGET.20.PASPTM.09A.03R	173.2258943	low APOBEC3A	TARGET-20-PASPTM-09A-03R.gene.quantification.txt	TARGET-20-PASPTM-09A-03R
TARGET.20.PANZWB.09A.02R	173.6963824	low APOBEC3A	TARGET-20-PANZWB-09A-02R.gene.quantification.txt	TARGET-20-PANZWB-09A-02R
TARGET.21.PASDXR.09A.02R	176.0959542	low APOBEC3A	TARGET-21-PASDXR-09A-02R.gene.quantification.txt	TARGET-21-PASDXR-09A-02R
TARGET.20.PAPVGE.09A.03R	178.610718	low APOBEC3A	TARGET-20-PAPVGE-09A-03R.gene.quantification.txt	TARGET-20-PAPVGE-09A-03R
TARGET.20.PATELT.03A.05R	184.5212277	low APOBEC3A	TARGET-20-PATELT-03A-05R.gene.quantification.txt	TARGET-20-PATELT-03A-05R
TARGET.20.PASPSV.09A.02R	184.9487019	low APOBEC3A	TARGET-20-PASPSV-09A-02R.gene.quantification.txt	TARGET-20-PASPSV-09A-02R
TARGET.20.PADZKD.09A.02R	185.5396885	low APOBEC3A	TARGET-20-PADZKD-09A-02R.gene.quantification.txt	TARGET-20-PADZKD-09A-02R
TARGET.20.PAMYGX.09A.03R	190.0984945	low APOBEC3A	TARGET-20-PAMYGX-09A-03R.gene.quantification.txt	TARGET-20-PAMYGX-09A-03R
TARGET.20.PANNHB.09A.03R	197.8577791	low APOBEC3A	TARGET-20-PANNHB-09A-03R.gene.quantification.txt	TARGET-20-PANNHB-09A-03R
TARGET.20.PANUTB.09A.05R	201.8884758	low APOBEC3A	TARGET-20-PANUTB-09A-05R.gene.quantification.txt	TARGET-20-PANUTB-09A-05R
TARGET.20.PAESVN.09A.02R	222.5613709	low APOBEC3A	TARGET-20-PAESVN-09A-02R.gene.quantification.txt	TARGET-20-PAESVN-09A-02R
TARGET.20.PASIBG.09A.01R	225.9597477	low APOBEC3A	TARGET-20-PASIBG-09A-01R.gene.quantification.txt	TARGET-20-PASIBG-09A-01R
TARGET.21.PASYWA.09A.01R	253.8727746	low APOBEC3A	TARGET-21-PASYWA-09A-01R.gene.quantification.txt	TARGET-21-PASYWA-09A-01R
TARGET.20.PARDMG.09A.03R	268.5728081	low APOBEC3A	TARGET-20-PARDMG-09A-03R.gene.quantification.txt	TARGET-20-PARDMG-09A-03R
TARGET.20.PASFEW.09A.05R	275.9275152	low APOBEC3A	TARGET-20-PASFEW-09A-05R.gene.quantification.txt	TARGET-20-PASFEW-09A-05R
TARGET.20.PANGCM.03A.03R	276.6569374	low APOBEC3A	TARGET-20-PANGCM-03A-03R.gene.quantification.txt	TARGET-20-PANGCM-03A-03R
TARGET.20.PAEIKD.09A.01R	284.3688316	low APOBEC3A	TARGET-20-PAEIKD-09A-01R.gene.quantification.txt	TARGET-20-PAEIKD-09A-01R
TARGET.20.PAMYAS.09A.03R	285.8191651	low APOBEC3A	TARGET-20-PAMYAS-09A-03R.gene.quantification.txt	TARGET-20-PAMYAS-09A-03R
TARGET.20.PABGKN.09A.01R	290.0885858	low APOBEC3A	TARGET-20-PABGKN-09A-01R.gene.quantification.txt	TARGET-20-PABGKN-09A-01R
TARGET.20.PALBYP.09A.02R	302.6244106	low APOBEC3A	TARGET-20-PALBYP-09A-02R.gene.quantification.txt	TARGET-20-PALBYP-09A-02R
TARGET.20.PANCS.09A.03R	306.6481909	low APOBEC3A	TARGET-20-PANCS-09A-03R.gene.quantification.txt	TARGET-20-PANCS-09A-03R
TARGET.20.PARASV.03A.03R	307.272063	low APOBEC3A	TARGET-20-PARASV-03A-03R.gene.quantification.txt	TARGET-20-PARASV-03A-03R
TARGET.20.PATDHA.09A.01R	320.7549971	low APOBEC3A	TARGET-20-PATDHA-09A-01R.gene.quantification.txt	TARGET-20-PATDHA-09A-01R
TARGET.20.PARANT.09A.02R	321.7092414	low APOBEC3A	TARGET-20-PARANT-09A-02R.gene.quantification.txt	TARGET-20-PARANT-09A-02R
TARGET.20.PAMVKZ.09A.03R	321.9796419	low APOBEC3A	TARGET-20-PAMVKZ-09A-03R.gene.quantification.txt	TARGET-20-PAMVKZ-09A-03R
TARGET.20.PANGTF.09A.04R	349.7191649	low APOBEC3A	TARGET-20-PANGTF-09A-04R.gene.quantification.txt	TARGET-20-PANGTF-09A-04R
TARGET.20.PARUUB.09A.02R	354.3420048	low APOBEC3A	TARGET-20-PARUUB-09A-02R.gene.quantification.txt	TARGET-20-PARUUB-09A-02R
TARGET.20.PARFAL.09A.05R	356.0137521	low APOBEC3A	TARGET-20-PARFAL-09A-05R.gene.quantification.txt	TARGET-20-PARFAL-09A-05R
TARGET.20.PANYGP.09A.01R	362.3950628	low APOBEC3A	TARGET-20-PANYGP-09A-01R.gene.quantification.txt	TARGET-20-PANYGP-09A-01R
TARGET.20.PASZLJ.09A.01R	370.3810574	low APOBEC3A	TARGET-20-PASZLJ-09A-01R.gene.quantification.txt	TARGET-20-PASZLJ-09A-01R
TARGET.20.PANTNA.09A.02R	374.9163296	low APOBEC3A	TARGET-20-PANTNA-09A-02R.gene.quantification.txt	TARGET-20-PANTNA-09A-02R
TARGET.20.PASHYZ.09A.03R	381.3998328	low APOBEC3A	TARGET-20-PASHYZ-09A-03R.gene.quantification.txt	TARGET-20-PASHYZ-09A-03R
TARGET.20.PANPLS.03A.04R	395.3513661	low APOBEC3A	TARGET-20-PANPLS-03A-04R.gene.quantification.txt	TARGET-20-PANPLS-03A-04R
TARGET.20.PASGWH.09A.04R	399.9979174	low APOBEC3A	TARGET-20-PASGWH-09A-04R.gene.quantification.txt	TARGET-20-PASGWH-09A-04R
TARGET.20.PANDIX.09A.03R	401.6163031	low APOBEC3A	TARGET-20-PANDIX-09A-03R.gene.quantification.txt	TARGET-20-PANDIX-09A-03R
TARGET.20.PALHVV.09A.02R	411.561432	low APOBEC3A	TARGET-20-PALHVV-09A-02R.gene.quantification.txt	TARGET-20-PALHVV-09A-02R
TARGET.20.PASHBI.09A.01R	419.926855	low APOBEC3A	TARGET-20-PASHBI-09A-01R.gene.quantification.txt	TARGET-20-PASHBI-09A-01R
TARGET.20.PARMZF.09A.02R	421.143172	low APOBEC3A	TARGET-20-PARMZF-09A-02R.gene.quantification.txt	TARGET-20-PARMZF-09A-02R
TARGET.21.PATKJ.09A.01R	421.563913	low APOBEC3A	TARGET-21-PATKJ-09A-01R.gene.quantification.txt	TARGET-21-PATKJ-09A-01R
TARGET.20.PARMZC.09A.02R	428.7975747	low APOBEC3A	TARGET-20-PARMZC-09A-02R.gene.quantification.txt	TARGET-20-PARMZC-09A-02R
TARGET.20.PARXBT.09A.02R	436.8093609	low APOBEC3A	TARGET-20-PARXBT-09A-02R.gene.quantification.txt	TARGET-20-PARXBT-09A-02R
TARGET.20.PAEAKL.09A.03R	441.6164608	low APOBEC3A	TARGET-20-PAEAKL-09A-03R.gene.quantification.txt	TARGET-20-PAEAKL-09A-03R
TARGET.20.PALGKX.09A.03R	452.6508135	low APOBEC3A	TARGET-20-PALGKX-09A-03R.gene.quantification.txt	TARGET-20-PALGKX-09A-03R
TARGET.20.PASMGW.09A.01R	454.8997355	low APOBEC3A	TARGET-20-PASMGW-09A-01R.gene.quantification.txt	TARGET-20-PASMGW-09A-01R
TARGET.20.PASWPT.09A.01R	469.7751208	low APOBEC3A	TARGET-20-PASWPT-09A-01R.gene.quantification.txt	TARGET-20-PASWPT-09A-01R
TARGET.20.PAPZIZ.09A.03R	474.2193155	low APOBEC3A	TARGET-20-PAPZIZ-09A-03R.gene.quantification.txt	TARGET-20-PAPZIZ-09A-03R
TARGET.21.PASFJJ.09A.01R	477.9238464	low APOBEC3A	TARGET-21-PASFJJ-09A-01R.gene.quantification.txt	TARGET-21-PASFJJ-09A-01R
TARGET.21.PARBT.09A.03R	500.8016064	low APOBEC3A	TARGET-21-PARBT-09A-03R.gene.quantification.txt	TARGET-21-PARBT-09A-03R
TARGET.20.PATJHJ.09A.01R	510.4275024	low APOBEC3A	TARGET-20-PATJHJ-09A-01R.gene.quantification.txt	TARGET-20-PATJHJ-09A-01R

TARGET.20.PANYSN.03A.04R	515.3185332	low APOBEC3A	TARGET-20-PANYSN-03A-04R.gene.quantification.txt	TARGET-20-PANYSN-03A-04R
TARGET.20.PANKNB.09A.03R	518.2647115	low APOBEC3A	TARGET-20-PANKNB-09A-03R.gene.quantification.txt	TARGET-20-PANKNB-09A-03R
TARGET.20.PAEFGR.09A.02R	583.2807254	low APOBEC3A	TARGET-20-PAEFGR-09A-02R.gene.quantification.txt	TARGET-20-PAEFGR-09A-02R
TARGET.20.PAEERJ.09A.01R	596.3932016	low APOBEC3A	TARGET-20-PAEERJ-09A-01R.gene.quantification.txt	TARGET-20-PAEERJ-09A-01R
TARGET.21.PARZIA.09A.01R	601.000162	low APOBEC3A	TARGET-21-PARZIA-09A-01R.gene.quantification.txt	TARGET-21-PARZIA-09A-01R
TARGET.20.PATAST.09A.01R	610.6667715	low APOBEC3A	TARGET-20-PATAST-09A-01R.gene.quantification.txt	TARGET-20-PATAST-09A-01R
TARGET.20.PANKFZ.09A.04R	618.1221145	low APOBEC3A	TARGET-20-PANKFZ-09A-04R.gene.quantification.txt	TARGET-20-PANKFZ-09A-04R
TARGET.20.PANKKE.09A.03R	630.5701736	low APOBEC3A	TARGET-20-PANKKE-09A-03R.gene.quantification.txt	TARGET-20-PANKKE-09A-03R
TARGET.20.PANLRE.09A.05R	640.8296335	low APOBEC3A	TARGET-20-PANLRE-09A-05R.gene.quantification.txt	TARGET-20-PANLRE-09A-05R
TARGET.20.PANPTM.09A.02R	642.2210868	low APOBEC3A	TARGET-20-PANPTM-09A-02R.gene.quantification.txt	TARGET-20-PANPTM-09A-02R
TARGET.20.PAPVZK.09A.03R	656.0220925	low APOBEC3A	TARGET-20-PAPVZK-09A-03R.gene.quantification.txt	TARGET-20-PAPVZK-09A-03R
TARGET.20.PARLSW.09A.02R	677.6048694	low APOBEC3A	TARGET-20-PARLSW-09A-02R.gene.quantification.txt	TARGET-20-PARLSW-09A-02R
TARGET.20.PASRTP.09A.01R	681.8879994	low APOBEC3A	TARGET-20-PASRTP-09A-01R.gene.quantification.txt	TARGET-20-PASRTP-09A-01R
TARGET.20.PAMVVP.09A.03R	682.4682947	low APOBEC3A	TARGET-20-PAMVVP-09A-03R.gene.quantification.txt	TARGET-20-PAMVVP-09A-03R
TARGET.20.PASSSI.09A.02R	690.2829077	low APOBEC3A	TARGET-20-PASSSI-09A-02R.gene.quantification.txt	TARGET-20-PASSSI-09A-02R
TARGET.20.PARBVE.09A.02R	719.219173	low APOBEC3A	TARGET-20-PARBVE-09A-02R.gene.quantification.txt	TARGET-20-PARBVE-09A-02R
TARGET.20.PALVKV.09A.02R	724.9612917	low APOBEC3A	TARGET-20-PALVKV-09A-02R.gene.quantification.txt	TARGET-20-PALVKV-09A-02R
TARGET.20.PARCHW.09A.01R	731.495527	low APOBEC3A	TARGET-20-PARCHW-09A-01R.gene.quantification.txt	TARGET-20-PARCHW-09A-01R
TARGET.20.PARBZF.03A.02R	734.3979201	low APOBEC3A	TARGET-20-PARBZF-03A-02R.gene.quantification.txt	TARGET-20-PARBZF-03A-02R
TARGET.20.PAE AFC.09A.03R	741.1215176	low APOBEC3A	TARGET-20-PAE AFC-09A-03R.gene.quantification.txt	TARGET-20-PAE AFC-09A-03R
TARGET.20.PARBXE.09A.04R	746.4027851	low APOBEC3A	TARGET-20-PARBXE-09A-04R.gene.quantification.txt	TARGET-20-PARBXE-09A-04R
TARGET.20.PASYJI.09A.03R	800.6778006	low APOBEC3A	TARGET-20-PASYJI-09A-03R.gene.quantification.txt	TARGET-20-PASYJI-09A-03R
TARGET.20.PASLSD.03A.01R	810.5766105	low APOBEC3A	TARGET-20-PASLSD-03A-01R.gene.quantification.txt	TARGET-20-PASLSD-03A-01R
TARGET.20.PASCFW.09A.01R	815.4408359	low APOBEC3A	TARGET-20-PASCFW-09A-01R.gene.quantification.txt	TARGET-20-PASCFW-09A-01R
TARGET.20.PANYNR.03A.03R	852.2078725	low APOBEC3A	TARGET-20-PANYNR-03A-03R.gene.quantification.txt	TARGET-20-PANYNR-03A-03R
TARGET.21.PASTZK.09A.01R	896.0130135	low APOBEC3A	TARGET-21-PASTZK-09A-01R.gene.quantification.txt	TARGET-21-PASTZK-09A-01R
TARGET.20.PASKGH.09A.01R	896.6363478	low APOBEC3A	TARGET-20-PASKGH-09A-01R.gene.quantification.txt	TARGET-20-PASKGH-09A-01R
TARGET.20.PAPXWI.09A.03R	909.0633734	low APOBEC3A	TARGET-20-PAPXWI-09A-03R.gene.quantification.txt	TARGET-20-PAPXWI-09A-03R
TARGET.20.PASNIY.09A.02R	913.0215535	low APOBEC3A	TARGET-20-PASNIY-09A-02R.gene.quantification.txt	TARGET-20-PASNIY-09A-02R
TARGET.20.PASWAJ.09A.04R	917.2720088	low APOBEC3A	TARGET-20-PASWAJ-09A-04R.gene.quantification.txt	TARGET-20-PASWAJ-09A-04R
TARGET.20.PASPFE.09A.01R	939.43993	low APOBEC3A	TARGET-20-PASPFE-09A-01R.gene.quantification.txt	TARGET-20-PASPFE-09A-01R
TARGET.20.PARSHM.03A.02R	959.5090223	low APOBEC3A	TARGET-20-PARSHM-03A-02R.gene.quantification.txt	TARGET-20-PARSHM-03A-02R
TARGET.21.PANZLR.09A.03R	990.9399882	low APOBEC3A	TARGET-21-PANZLR-09A-03R.gene.quantification.txt	TARGET-21-PANZLR-09A-03R
TARGET.20.PARXZP.09A.01R	1002.620616	low APOBEC3A	TARGET-20-PARXZP-09A-01R.gene.quantification.txt	TARGET-20-PARXZP-09A-01R
TARGET.20.PANTPW.09A.02R	1041.279939	low APOBEC3A	TARGET-20-PANTPW-09A-02R.gene.quantification.txt	TARGET-20-PANTPW-09A-02R
TARGET.20.PANJVI.03A.02R	1057.162319	low APOBEC3A	TARGET-20-PANJVI-03A-02R.gene.quantification.txt	TARGET-20-PANJVI-03A-02R
TARGET.20.PASFJB.03A.01R	1065.652992	low APOBEC3A	TARGET-20-PASFJB-03A-01R.gene.quantification.txt	TARGET-20-PASFJB-03A-01R
TARGET.20.PARUTH.09A.04R	1070.119952	low APOBEC3A	TARGET-20-PARUTH-09A-04R.gene.quantification.txt	TARGET-20-PARUTH-09A-04R
TARGET.20.PAEENN.09A.01R	1072.623475	low APOBEC3A	TARGET-20-PAEENN-09A-01R.gene.quantification.txt	TARGET-20-PAEENN-09A-01R
TARGET.20.PARSAN.03A.01R	1073.717105	low APOBEC3A	TARGET-20-PARSAN-03A-01R.gene.quantification.txt	TARGET-20-PARSAN-03A-01R
TARGET.20.PASTPU.09A.01R	1095.031794	low APOBEC3A	TARGET-20-PASTPU-09A-01R.gene.quantification.txt	TARGET-20-PASTPU-09A-01R
TARGET.20.PARBFJ.09A.02R	1103.634652	low APOBEC3A	TARGET-20-PARBFJ-09A-02R.gene.quantification.txt	TARGET-20-PARBFJ-09A-02R
TARGET.20.PAPZLT.09A.02R	1114.140024	low APOBEC3A	TARGET-20-PAPZLT-09A-02R.gene.quantification.txt	TARGET-20-PAPZLT-09A-02R
TARGET.20.PATFDF.09A.01R	1150.271049	low APOBEC3A	TARGET-20-PATFDF-09A-01R.gene.quantification.txt	TARGET-20-PATFDF-09A-01R
TARGET.20.PAKRUP.09A.02R	1165.22999	low APOBEC3A	TARGET-20-PAKRUP-09A-02R.gene.quantification.txt	TARGET-20-PAKRUP-09A-02R
TARGET.20.PARXMP.09A.02R	1170.491512	low APOBEC3A	TARGET-20-PARXMP-09A-02R.gene.quantification.txt	TARGET-20-PARXMP-09A-02R
TARGET.20.PARJCR.09A.01R	1179.655665	low APOBEC3A	TARGET-20-PARJCR-09A-01R.gene.quantification.txt	TARGET-20-PARJCR-09A-01R
TARGET.20.PAKVGI.09A.01R	1188.907083	low APOBEC3A	TARGET-20-PAKVGI-09A-01R.gene.quantification.txt	TARGET-20-PAKVGI-09A-01R
TARGET.20.PARTST.09A.02R	1206.11999	low APOBEC3A	TARGET-20-PARTST-09A-02R.gene.quantification.txt	TARGET-20-PARTST-09A-02R
TARGET.20.PASBPK.09A.02R	1228.633609	low APOBEC3A	TARGET-20-PASBPK-09A-02R.gene.quantification.txt	TARGET-20-PASBPK-09A-02R
TARGET.20.PASGMZ.09A.01R	1237.050457	low APOBEC3A	TARGET-20-PASGMZ-09A-01R.gene.quantification.txt	TARGET-20-PASGMZ-09A-01R
TARGET.20.PASIEJ.09A.01R	1241.282924	low APOBEC3A	TARGET-20-PASIEJ-09A-01R.gene.quantification.txt	TARGET-20-PASIEJ-09A-01R
TARGET.21.PASLZE.09A.01R	1317.03137	low APOBEC3A	TARGET-21-PASLZE-09A-01R.gene.quantification.txt	TARGET-21-PASLZE-09A-01R
TARGET.20.PARWXU.09A.02R	1382.941021	low APOBEC3A	TARGET-20-PARWXU-09A-02R.gene.quantification.txt	TARGET-20-PARWXU-09A-02R
TARGET.20.PAPAWN.09A.02R	1395.46033	low APOBEC3A	TARGET-20-PAPAWN-09A-02R.gene.quantification.txt	TARGET-20-PAPAWN-09A-02R
TARGET.20.PAPVDV.03A.01R	1419.177088	low APOBEC3A	TARGET-20-PAPVDV-03A-01R.gene.quantification.txt	TARGET-20-PAPVDV-03A-01R
TARGET.20.PAEGRE.03A.02R	1498.648582	low APOBEC3A	TARGET-20-PAEGRE-03A-02R.gene.quantification.txt	TARGET-20-PAEGRE-03A-02R
TARGET.20.PARUDL.03A.01R	1546.147637	low APOBEC3A	TARGET-20-PARUDL-03A-01R.gene.quantification.txt	TARGET-20-PARUDL-03A-01R
TARGET.20.PASPWZ.03A.01R	1582.053363	low APOBEC3A	TARGET-20-PASPWZ-03A-01R.gene.quantification.txt	TARGET-20-PASPWZ-03A-01R
TARGET.20.PAEFHC.09A.02R	1604.189791	low APOBEC3A	TARGET-20-PAEFHC-09A-02R.gene.quantification.txt	TARGET-20-PAEFHC-09A-02R
TARGET.20.PARWDZ.09A.01R	1615.197232	low APOBEC3A	TARGET-20-PARWDZ-09A-01R.gene.quantification.txt	TARGET-20-PARWDZ-09A-01R
TARGET.21.PATAIJ.09A.01R	1627.961973	low APOBEC3A	TARGET-21-PATAIJ-09A-01R.gene.quantification.txt	TARGET-21-PATAIJ-09A-01R
TARGET.20.PAKHBF.09A.01R	1691.429602	low APOBEC3A	TARGET-20-PAKHBF-09A-01R.gene.quantification.txt	TARGET-20-PAKHBF-09A-01R
TARGET.21.PASYEJ.09A.01R	1723.205022	low APOBEC3A	TARGET-21-PASYEJ-09A-01R.gene.quantification.txt	TARGET-21-PASYEJ-09A-01R
TARGET.20.PAPWHS.09A.03R	1737.915873	low APOBEC3A	TARGET-20-PAPWHS-09A-03R.gene.quantification.txt	TARGET-20-PAPWHS-09A-03R
TARGET.21.PASVJS.09A.01R	1744.663523	low APOBEC3A	TARGET-21-PASVJS-09A-01R.gene.quantification.txt	TARGET-21-PASVJS-09A-01R
TARGET.20.PASCGR.03A.02R	1752.107599	low APOBEC3A	TARGET-20-PASCGR-03A-02R.gene.quantification.txt	TARGET-20-PASCGR-03A-02R
TARGET.20.PARTAL.09A.02R	1760.803824	low APOBEC3A	TARGET-20-PARTAL-09A-02R.gene.quantification.txt	TARGET-20-PARTAL-09A-02R
TARGET.20.PASRRB.03A.01R	1778.585862	low APOBEC3A	TARGET-20-PASRRB-03A-01R.gene.quantification.txt	TARGET-20-PASRRB-03A-01R
TARGET.20.PARJYP.03A.01R	1809.59217	low APOBEC3A	TARGET-20-PARJYP-03A-01R.gene.quantification.txt	TARGET-20-PARJYP-03A-01R
TARGET.20.PARXNG.09A.01R	1809.949894	low APOBEC3A	TARGET-20-PARXNG-09A-01R.gene.quantification.txt	TARGET-20-PARXNG-09A-01R
TARGET.20.PASDGX.09A.02R	1849.98911	low APOBEC3A	TARGET-20-PASDGX-09A-02R.gene.quantification.txt	TARGET-20-PASDGX-09A-02R

TARGET.20.PAPWIU.09A.03R	1871.30617	low APOBEC3A	TARGET-20-PAPWIU-09A-03R.gene.quantification.txt	TARGET-20-PAPWIU-09A-03R
TARGET.20.PANPKN.09A.03R	1895.500473	low APOBEC3A	TARGET-20-PANPKN-09A-03R.gene.quantification.txt	TARGET-20-PANPKN-09A-03R
TARGET.20.PAPWYK.09A.03R	1910.062789	low APOBEC3A	TARGET-20-PAPWYK-09A-03R.gene.quantification.txt	TARGET-20-PAPWYK-09A-03R
TARGET.20.PANLIR.09A.02R	1915.398751	low APOBEC3A	TARGET-20-PANLIR-09A-02R.gene.quantification.txt	TARGET-20-PANLIR-09A-02R
TARGET.20.PASEFD.09A.01R	1926.58425	low APOBEC3A	TARGET-20-PASEFD-09A-01R.gene.quantification.txt	TARGET-20-PASEFD-09A-01R
TARGET.20.PAEGRI.03A.01R	1978.399638	low APOBEC3A	TARGET-20-PAEGRI-03A-01R.gene.quantification.txt	TARGET-20-PAEGRI-03A-01R
TARGET.20.PASLYX.09A.02R	1985.320541	low APOBEC3A	TARGET-20-PASLYX-09A-02R.gene.quantification.txt	TARGET-20-PASLYX-09A-02R
TARGET.20.PANBWF.09A.03R	2041.054644	low APOBEC3A	TARGET-20-PANBWF-09A-03R.gene.quantification.txt	TARGET-20-PANBWF-09A-03R
TARGET.20.PASVVS.09A.03R	2053.325567	low APOBEC3A	TARGET-20-PASVVS-09A-03R.gene.quantification.txt	TARGET-20-PASVVS-09A-03R
TARGET.20.PARPWL.09A.03R	2055.588036	low APOBEC3A	TARGET-20-PARPWL-09A-03R.gene.quantification.txt	TARGET-20-PARPWL-09A-03R
TARGET.20.PARKCX.09A.03R	2080.941168	low APOBEC3A	TARGET-20-PARKCX-09A-03R.gene.quantification.txt	TARGET-20-PARKCX-09A-03R
TARGET.21.PATJMY.09A.01R	2095.153811	low APOBEC3A	TARGET-21-PATJMY-09A-01R.gene.quantification.txt	TARGET-21-PATJMY-09A-01R
TARGET.20.PAKIYW.09A.01R	2208.265534	low APOBEC3A	TARGET-20-PAKIYW-09A-01R.gene.quantification.txt	TARGET-20-PAKIYW-09A-01R
TARGET.21.PATISD.09A.01R	2214.489012	low APOBEC3A	TARGET-21-PATISD-09A-01R.gene.quantification.txt	TARGET-21-PATISD-09A-01R
TARGET.20.PASPLU.09A.02R	2296.71865	low APOBEC3A	TARGET-20-PASPLU-09A-02R.gene.quantification.txt	TARGET-20-PASPLU-09A-02R
TARGET.20.PARVAI.03A.02R	2339.755196	low APOBEC3A	TARGET-20-PARVAI-03A-02R.gene.quantification.txt	TARGET-20-PARVAI-03A-02R
TARGET.20.PANGDN.09A.05R	2379.649837	low APOBEC3A	TARGET-20-PANGDN-09A-05R.gene.quantification.txt	TARGET-20-PANGDN-09A-05R
TARGET.20.PAPXRJ.09A.01R	2401.760817	low APOBEC3A	TARGET-20-PAPXRJ-09A-01R.gene.quantification.txt	TARGET-20-PAPXRJ-09A-01R
TARGET.21.PASIGA.09A.01R	2597.099966	low APOBEC3A	TARGET-21-PASIGA-09A-01R.gene.quantification.txt	TARGET-21-PASIGA-09A-01R
TARGET.21.PAMXZY.09A.03R	2672.090705	low APOBEC3A	TARGET-21-PAMXZY-09A-03R.gene.quantification.txt	TARGET-21-PAMXZY-09A-03R
TARGET.20.PARVSF.09A.02R	2726.183769	low APOBEC3A	TARGET-20-PARVSF-09A-02R.gene.quantification.txt	TARGET-20-PARVSF-09A-02R
TARGET.20.PAKIWK.09A.01R	2738.084336	low APOBEC3A	TARGET-20-PAKIWK-09A-01R.gene.quantification.txt	TARGET-20-PAKIWK-09A-01R
TARGET.21.PARHRS.09A.02R	3167.8510972	low APOBEC3A	TARGET-21-PARHRS-09A-02R.gene.quantification.txt	TARGET-21-PARHRS-09A-02R
TARGET.20.PASUHK.09A.01R	2935.982822	low APOBEC3A	TARGET-20-PASUHK-09A-01R.gene.quantification.txt	TARGET-20-PASUHK-09A-01R
TARGET.20.PASSWG.03A.01R	2998.409819	low APOBEC3A	TARGET-20-PASSWG-03A-01R.gene.quantification.txt	TARGET-20-PASSWG-03A-01R
TARGET.20.PARYGA.09A.03R	3094.661217	low APOBEC3A	TARGET-20-PARYGA-09A-03R.gene.quantification.txt	TARGET-20-PARYGA-09A-03R
TARGET.21.PARXYR.03A.01R	3167.851488	low APOBEC3A	TARGET-21-PARXYR-03A-01R.gene.quantification.txt	TARGET-21-PARXYR-03A-01R
TARGET.20.PASTTW.09A.01R	3278.794086	low APOBEC3A	TARGET-20-PASTTW-09A-01R.gene.quantification.txt	TARGET-20-PASTTW-09A-01R
TARGET.20.PARBRA.09A.03R	3553.135179	low APOBEC3A	TARGET-20-PARBRA-09A-03R.gene.quantification.txt	TARGET-20-PARBRA-09A-03R
TARGET.20.PANWHP.09A.02R	3587.707176	low APOBEC3A	TARGET-20-PANWHP-09A-02R.gene.quantification.txt	TARGET-20-PANWHP-09A-02R
TARGET.20.PAPWZR.09A.01R	3673.659437	low APOBEC3A	TARGET-20-PAPWZR-09A-01R.gene.quantification.txt	TARGET-20-PAPWZR-09A-01R
TARGET.20.PAMYJX.09A.04R	3819.807599	low APOBEC3A	TARGET-20-PAMYJX-09A-04R.gene.quantification.txt	TARGET-20-PAMYJX-09A-04R
TARGET.20.PAKLPD.09A.02R	3873.682786	low APOBEC3A	TARGET-20-PAKLPD-09A-02R.gene.quantification.txt	TARGET-20-PAKLPD-09A-02R
TARGET.20.PARYFN.03A.01R	3917.913183	low APOBEC3A	TARGET-20-PARYFN-03A-01R.gene.quantification.txt	TARGET-20-PARYFN-03A-01R
TARGET.21.PATHIU.09A.01R	3957.999305	low APOBEC3A	TARGET-21-PATHIU-09A-01R.gene.quantification.txt	TARGET-21-PATHIU-09A-01R
TARGET.20.PAKTCX.09A.02R	4117.77624	low APOBEC3A	TARGET-20-PAKTCX-09A-02R.gene.quantification.txt	TARGET-20-PAKTCX-09A-02R
TARGET.20.PARIHK.03A.03R	4135.064191	low APOBEC3A	TARGET-20-PARIHK-03A-03R.gene.quantification.txt	TARGET-20-PARIHK-03A-03R
TARGET.20.PALFVW.09A.01R	4505.532073	high APOBEC3A	TARGET-20-PALFVW-09A-01R.gene.quantification.txt	TARGET-20-PALFVW-09A-01R
TARGET.20.PARIMT.03A.01R	4553.112686	high APOBEC3A	TARGET-20-PARIMT-03A-01R.gene.quantification.txt	TARGET-20-PARIMT-03A-01R
TARGET.20.PANBYS.09A.03R	4904.255312	high APOBEC3A	TARGET-20-PANBYS-09A-03R.gene.quantification.txt	TARGET-20-PANBYS-09A-03R
TARGET.20.PANVGE.09A.02R	5256.630799	high APOBEC3A	TARGET-20-PANVGE-09A-02R.gene.quantification.txt	TARGET-20-PANVGE-09A-02R
TARGET.20.PAREFM.09A.02R	5521.767586	high APOBEC3A	TARGET-20-PAREFM-09A-02R.gene.quantification.txt	TARGET-20-PAREFM-09A-02R
TARGET.20.PADZCG.09A.01R	5537.427752	high APOBEC3A	TARGET-20-PADZCG-09A-01R.gene.quantification.txt	TARGET-20-PADZCG-09A-01R
TARGET.20.PASJTM.09A.01R	5854.093077	high APOBEC3A	TARGET-20-PASJTM-09A-01R.gene.quantification.txt	TARGET-20-PASJTM-09A-01R
TARGET.20.PASXVC.09A.01R	5969.478773	high APOBEC3A	TARGET-20-PASXVC-09A-01R.gene.quantification.txt	TARGET-20-PASXVC-09A-01R
TARGET.20.PASLTF.09A.02R	6823.047104	high APOBEC3A	TARGET-20-PASLTF-09A-02R.gene.quantification.txt	TARGET-20-PASLTF-09A-02R
TARGET.20.PASBSB.03A.01R	7198.289708	high APOBEC3A	TARGET-20-PASBSB-03A-01R.gene.quantification.txt	TARGET-20-PASBSB-03A-01R
TARGET.21.PATKKB.03A.01R	7444.378713	high APOBEC3A	TARGET-21-PATKKB-03A-01R.gene.quantification.txt	TARGET-21-PATKKB-03A-01R
TARGET.20.PATIAK.09A.01R	7541.201198	high APOBEC3A	TARGET-20-PATIAK-09A-01R.gene.quantification.txt	TARGET-20-PATIAK-09A-01R
TARGET.20.PAKVYM.09A.02R	8371.06746	high APOBEC3A	TARGET-20-PAKVYM-09A-02R.gene.quantification.txt	TARGET-20-PAKVYM-09A-02R
TARGET.20.PASHWN.09A.01R	8998.642134	high APOBEC3A	TARGET-20-PASHWN-09A-01R.gene.quantification.txt	TARGET-20-PASHWN-09A-01R
TARGET.20.PASBPW.09A.02R	9043.562611	high APOBEC3A	TARGET-20-PASBPW-09A-02R.gene.quantification.txt	TARGET-20-PASBPW-09A-02R
TARGET.20.PASVYA.09A.01R	9209.106767	high APOBEC3A	TARGET-20-PASVYA-09A-01R.gene.quantification.txt	TARGET-20-PASVYA-09A-01R
TARGET.20.PANAEV.09A.03R	9795.120925	high APOBEC3A	TARGET-20-PANAEV-09A-03R.gene.quantification.txt	TARGET-20-PANAEV-09A-03R
TARGET.20.PADYIR.09A.01R	9968.6288	high APOBEC3A	TARGET-20-PADYIR-09A-01R.gene.quantification.txt	TARGET-20-PADYIR-09A-01R
TARGET.21.PARLSL.09A.02R	10473.53895	high APOBEC3A	TARGET-21-PARLSL-09A-02R.gene.quantification.txt	TARGET-21-PARLSL-09A-02R
TARGET.21.PASFHK.09A.01R	10559.84563	high APOBEC3A	TARGET-21-PASFHK-09A-01R.gene.quantification.txt	TARGET-21-PASFHK-09A-01R
TARGET.20.PASTUH.03A.01R	11295.46525	high APOBEC3A	TARGET-20-PASTUH-03A-01R.gene.quantification.txt	TARGET-20-PASTUH-03A-01R
TARGET.21.PAMYMA.09A.02R	11809.34059	high APOBEC3A	TARGET-21-PAMYMA-09A-02R.gene.quantification.txt	TARGET-21-PAMYMA-09A-02R
TARGET.21.PARNAW.09A.01R	11970.63145	high APOBEC3A	TARGET-21-PARNAW-09A-01R.gene.quantification.txt	TARGET-21-PARNAW-09A-01R
TARGET.21.PATKWH.09A.01R	14119.24173	high APOBEC3A	TARGET-21-PATKWH-09A-01R.gene.quantification.txt	TARGET-21-PATKWH-09A-01R
TARGET.20.PARUBT.09A.02R	14447.34446	high APOBEC3A	TARGET-20-PARUBT-09A-02R.gene.quantification.txt	TARGET-20-PARUBT-09A-02R
TARGET.20.PAPUNR.09A.02R	14579.71166	high APOBEC3A	TARGET-20-PAPUNR-09A-02R.gene.quantification.txt	TARGET-20-PAPUNR-09A-02R
TARGET.21.PASNKZ.09A.01R	14787.64133	high APOBEC3A	TARGET-21-PASNKZ-09A-01R.gene.quantification.txt	TARGET-21-PASNKZ-09A-01R
TARGET.20.PATGAN.03A.01R	18511.40644	high APOBEC3A	TARGET-20-PATGAN-03A-01R.gene.quantification.txt	TARGET-20-PATGAN-03A-01R
TARGET.21.PASDKZ.03A.02R	36010.85704	high APOBEC3A	TARGET-21-PASDKZ-03A-02R.gene.quantification.txt	TARGET-21-PASDKZ-03A-02R
TARGET.20.PAPVCN.09A.03R	40996.12754	high APOBEC3A	TARGET-20-PAPVCN-09A-03R.gene.quantification.txt	TARGET-20-PAPVCN-09A-03R