

Supplemental Table S3: The NF- κ B-dependent upregulated and downregulated genes induced by TLR2 stimulation in Control or S6K1^{KD} THP-1 cells

GENE	Cont. THP-1+FSL-1 (3h)	Cont. THP-1+FSL-1 (9h)	S6K1 ^{KD} THP-1+FSL-1 (3h)	S6K1 ^{KD} THP-1+FSL-1 (9h)	S6K1 ^{KD} THP-1	S6K1 ^{KD} THP-1+FSL-1 (3h)	S6K1 ^{KD} THP-1+FSL-1 (9h)
SYMBOL	/ Cont. THP-1	/ Control THP-1	/ S6K1 ^{KD} THP-1	/ S6K1 ^{KD} THP-1	/ Cont. THP-1	/ Cont. THP-1+FSL-1 (3h)	/ Cont. THP-1+FSL-1 (9h)
IL1B	71.771983	112.864041	123.815168	136.539945	1.426978	2.461706	1.726321
EBI3	20.19301	42.585226	30.813331	57.15326	1.076268	1.642321	1.44445
IL8	26.618996	37.195733	68.698207	90.865063	1.220226	3.149155	2.980878
IL23A	46.860668	17.424751	102.989526	72.125236	-1.165921	1.885017	3.550188
BCL3	12.382951	11.335947	12.78104	12.199692	1.397593	1.442523	1.504083
CCL3	6.355698	10.079213	25.272104	26.939863	1.026024	4.079772	2.742373
NFKBIZ	12.527999	10.048251	13.119532	14.756062	1.29173	1.352721	1.896931
CD44	6.579612	9.122604	5.007372	6.986539	1.977421	1.504904	1.514407
IER3	12.825101	8.211914	25.352387	30.161238	1.175878	2.324451	4.31884
MX1	1.178566	7.692521	4.421448	40.364938	1.425257	5.34692	7.478745
SERPINE2	10.34624	6.94915	25.129929	17.513325	1.877083	4.559238	4.730646
CDKN1A	1.71084	6.74506	4.582194	10.193294	1.581204	4.234986	2.389553
CCL20	24.062231	5.588197	38.842122	14.354322	1.063973	1.717503	2.733012
THBS1	1.880699	4.814951	21.812771	107.340521	-1.058695	10.955214	21.057227
ICAM1	4.31196	4.466168	8.677526	9.005448	-1.03258	1.948935	1.952749
NOD2	2.16945	4.31648	3.765302	4.584007	1.094871	1.900261	1.162729
NFKB2	6.205428	4.312532	7.454948	6.313083	1.039543	1.248864	1.521779
FTH1	2.968746	4.10201	5.125631	7.533641	1.178783	2.035205	2.164921

ADORA2A	4.478044	3.877824	6.566317	6.397175	-1.002963	1.462004	1.644808
IL1A	2.135938	3.231935	5.580112	6.572064	1.160577	3.031993	2.360006
SDC4	6.305618	3.167832	4.644741	2.11199	1.617949	1.191787	1.078685
ABCA1	1.706172	3.104786	1.743638	9.424397	-1.3667	-1.337334	2.221
SAT1	3.386524	2.852613	4.795086	8.1846	1.257219	1.780135	3.60716
IL1RN	1.491572	2.809536	4.044538	4.652672	1.271206	3.446994	2.105153
HMOX1	1.149615	2.800913	3.078612	5.809439	1.275778	3.416472	2.646121
IRF7	1.269603	2.737905	2.512056	7.834258	-1.460369	1.354873	1.959372
CXCL10	22.299281	2.73109	14.557502	3.880482	1.075182	-1.424695	1.527677
TNFRSF1B	-1.983021	2.619876	-1.144365	5.363807	-1.20312	1.440302	1.701701
CCL2	-1.003977	2.492125	1.570468	10.418874	-1.159797	1.359474	3.604699
CCND1	1.497234	2.353528	1.594719	2.892832	1.59608	1.700001	1.961817
TNFRSF21	-1.471127	2.2346	-1.126053	2.985286	1.904507	2.488134	2.544302
OLR1	3.285107	2.112019	3.377491	3.094931	1.278846	1.31481	1.874008
IFI44L	1.01703	2.075101	1.604673	13.917611	1.053704	1.662538	7.067149
PLAU	2.516255	1.896899	3.518388	4.755742	1.125119	1.573213	2.820802
PTGS2	2.422343	1.646235	10.400714	4.798926	1.317972	5.65892	3.842007

; Un-regulated or down-regulated (represented as “-“) NF- κ B-dependent genes in each comparison (*column 1*: Control THP-1 cells treated with FSL-1 for 3h *versus* Control THP-1 cells; *column 2*, Control THP-1 cells treated with FSL-1 for 9h *versus* Control THP-1 cells; *column 3*, S6K1^{KD} THP-1 cells treated with FSL-1 for 3h *versus* S6K1^{KD} THP-1 cells; *column 4*, S6K1^{KD} THP-1 cells treated with FSL-1 for 9h *versus* S6K1^{KD} THP-1 cells; *column 5*, S6K1^{KD} THP-1 cells *versus* Control THP-1 cells; *column 6*, S6K1^{KD} THP-1 cells treated with FSL-1 for 3h *versus* Control THP-1 cells treated with FSL-1 for 3h; *column 7*, S6K1^{KD} THP-1 cells treated with FSL-1 for 9h *versus* Control THP-1 cells treated with FSL-1 for 9h cells) were represented. These results were derived from the microarray results

represented in supplemental Table S1.