Table 3. Application of the rule explanation function (REF) to interpret the disparate groupings make by the I/E response pattern-based rule vs. the results from Jun B proband-based rule

Gene Name	> –1 at 15 min?	>0 at 30 min?	>1 at 1hr?	>0 at 2 hr?	>–1 and < 2 at 4 hr?	>–1 and <1 at 6 hr?	>–1 and < 1 at 8 hr?	>–1 and < 1 at 12 hr?	>–1 and < 1 at 16 hr?	>–1 and < 1 at 20 hr?	>–1 and < 1 at 24 hr?
Jun B proto-oncogene	1.183, True	1.401, True	2.676, True	3.002, True	1.74, True	0.911, True	0.888, True	0.214, True	0.138, True	-0.029, True	-0.201, True
SERINE/THREONINE-PROTEIN KINASE SGK	0.585, True	1.239, True	1.86, True	1.722, True	0.422, True	1.189, False	0.864, True	0.816, True	0.029, True	-0.014, True	0.057, True
Myeloid cell leukemia sequence 1 (BCL2-related)	0.189, True	1.098, True	1.384, True	1.345, True	0.791, True	1.138, False	1.05, False	0.239, True	-0.089, True	-0.089, True	-0.12, True
MAP KINASE PHOSPHATASE-1	1.17, True	2.223, True	2.989, True	2.57, True	1.911, True	2.157, False	2.202, False	1.281, False	0.895, True	0.651, True	0.333, True
SID376394 Protein phosphatase 4 (formerly X), catalytic subunit	1.367, True	1.614, True	1.891, True	1.876, True	1.281, True	0.214, True	-0.201, True	-0.69, True	-0.234, True	0.111, True	0.07, True
Mitogen induced nuclear orphan receptor (MINOR)	-0.12, True	0.084, True	2.722, True	2.546, True	2.43, False	1.064, False	0.556, True	0.214, True	-0.136, True	-0.269, True	-0.286, True
IEX-1	-0.304, True	0.189, True	2.16, True	2.498, True	2.098, False	1.373, False	1.176, False	0.029, True	0.151, True	0.227, True	0.163, True
SERINE/THREONINE-PROTEIN KINASE SGK	0.888, True	1.057, True	1.993, True	1.761, True	0.367, True	1.183, False	1.449, False	1.111, False	0.263, True	-0.044, True	-0.152, True
Myeloid cell leukemia sequence 1 (BCL2-related)	0.202, True	1.748, True	2.111, True	1.683, True	2.208, False	1.96, False	1.275, False	0.485, True	0.098, True	-0.014, True	0.263, True
MAP KINASE	1.269,	1.836,	2.844,	2.281,	1.632,	1.84,	1.975,	1.189,	1.131,	1.111,	1.157,

PHOSPHATASE-1	True	True	True	True	True	False	False	False	False	False	False
MAP KINASE PHOSPHATASE-1	0.604, True	2.134, True	2.814, True	2.446, True	1.551, True	1.967, False	2.151, False	1.263, False	0.978, True	1.144, False	0.84, True
SID254436 IMMEDIATE-EARLY RESPONSE PROTEIN NOT	0.014, True	2.242, True	3.409, True	1.585, True	1.856, True	0.687, True	0.084, True	-0.218, True	0.74, True	0.614, True	-0.322, True
Platelet-derived growth factor receptor, beta polypeptide	1.744, True	2.797, True	2.269, True	1.911, True	1.888, True	1.651, False	1.541, False	1.014, False	1.111, False	0.986, True	0.678, True
Endothelin 1 {alternative products}	0.454, True	1.036, True	1.956, True	1.778, True	1.787, True	2.014, False	2.014, False	1.138, False	0.536, True	-0.252, True	-0.12, True
DNA-binding protein CPBP (CPBP)	0.411, True	1.516, True	1.618, True	0.888, True	0.963, True	0.911, True	0.807, True	0.526, True	0.214, True	0.433, True	0.566, True
MAP KINASE PHOSPHATASE-1	0.379, True	1.475, True	2.379, True	1.561, True	1.208, True	1.623, False	1.47, False	0.903, True	0.824, True	0.731, True	0.782, True
MAP KINASE PHOSPHATASE-1	1.064, True	1.753, True	2.465, True	2.29, True	1.609, True	1.709, False	2.101, False	1.444, False	1.104, False	1.036, False	1.17, False
Interleukin 6 (B cell stimulatory factor 2)	0.722, True	1.595, True	2.345, True	3.521, True	3.653, False	3.384, False	3.396, False	1.774, False	0.202, True	-0.218, True	-0.218, True
Homo sapiens clone 23767 and 23782 mRNA sequences	1.556, True	2.029, True	1.454, True	1.31, True	1.422, True	1.384, False	1.104, False	1.214, False	0.422, True	0.433, True	0.299, True
TGF-beta inducible early protein	-0.044, True	0.705, True	1.868, True	2.353, True	-0.12, True	0.88, True	1.411, False	1.098, False	0.31, True	0.299, True	0.07, True
SID488548 Human pre-B cell enhancing factor (PBEF) mRNA, complete cds	0.098, True	0.832, True	1.454, True	1.475, True	1.628, True	1.941, False	1.824, False	0.848, True	0.111, True	0.057, True	-0.269, True