Supplemental Table 1. Identification of wild-type Jurkat cells (Jurkat W) using short tandem repeat (STR) profiling.

CellBank Australia
Certificate of Analysis, Identification Testing
(Human cell line)

STR Profile – Sample

Sample Name	Jurkat W
Source	11-088
D8S1179	13,14
D21S11	31.2,33.2,34.2
D7S820	8,10
CSF1PO	11,12
D3S1358	15
TH01	6,9.3
D13S317	8,12
D16S539	11
D2S1338	19,23
D19S433	14,14.2,15.2
vWA	17,18,19
TPOX	8,10
D18S51	13,21
Amel	X,Y
D5S818	9
FGA	20,21

– Reference/Repository Sample

Sample Name	Jurkat, Clone E6-1
Source	ATCC: TIB-152
D8S1179	
D21S11	
D7S820	8,12
CSF1PO	11,12
D3S1358	
TH01	6,9.3
D13S317	8,12
D16S539	11
D2S1338	
D19S433	
vWA	18
TPOX	8,10
D18S51	
Amel	X,Y
D5S818	9
FGA	

Comments

Full profile generated:
- out of 9 loci, 14/17 (82%) alleles were identical to Jurkat, Clone E6-1 (ATCC: TIB-152)
- this is consistent with genetic drift over passaging, within the scientific literature samples are usually thought to match if >80% of alleles are identical
- please note also that Jurkat is known to be genetically unstable in culture and the profile generated here is consistent with STR alterations that have been published for this line

Supplemental Table 2. PCR Primers

RT-qPCR primers			
Gene	**Forward primer (5'-3')**	**Reverse primer (5'-3')**	**Reference**
exogenous *TSPO*	AGCAGATTCGTGCACGGCGAGGGC CTGA	GGCAGCAGCGCCAGACACCAGCAG CAGG	1.
endogenous *TSPO*	CACGCTCTACTCAGCCATGG	GCAGTAGTTGAGTGTGGTCGC	1.
Beta-actin	GTGGGGCGCCCCAGGCACCA	CTCCTTAATGTCACGCACGATTTC	2.
GAPDH	CCATGGAGAAGGCTGGGG	CAAAGTTGTCATGGATGACC	3.
COX IV subunit 2	CAGGAAATAGAAACCGTCTGAACTATCC TG	CTGTGGTTTGCTCCACAGATTTCAGTGC AT	2

1. Ha et al. (2007) Phytomedicine. 14:232-235
2. Cheng et al. (2003) J Agric Food Chem. 51:7276-7279
3. Dveksler et al. (1992) PCR methods and applications. 1:283-285

Supplemental Table 3. Identification of TSPO Jurkat cells (Jurkat T) using short tandem repeat (STR) profiling.

CellBank Australia
Certificate of Analysis, Identification Testing
(Human cell line)

STR Profile – Sample

Sample Name	Jurkat T
Source	11-090
D8S1179	13,14
D21S11	30.2,31.2,33.2,34.2
D7S820	8,10
CSF1PO	11,12
D3S1358	15
TH01	6,9.3
D13S317	8,12
D16S539	11
D2S1338	19,23
D19S433	14,14.2,15.2
vWA	17,18,19
TPOX	8,10
D18S51	13,21
Amel	X,Y
D5S818	9
FGA	20,21

– Reference/Repository Sample

Sample Name	Jurkat, Clone E6-1
Source	ATCC: TIB-152
D8S1179	
D21S11	
D7S820	8,12
CSF1PO	11,12
D3S1358	
TH01	6,9.3
D13S317	8,12
D16S539	11
D2S1338	
D19S433	
vWA	18
TPOX	8,10
D18S51	
Amel	X,Y
D5S818	9
FGA	

Comments

Full profile generated:
- out of 9 loci, 14/17 (82%) alleles were identical to Jurkat, Clone E6-1 (ATCC: TIB-152)
- this is consistent with genetic drift over passaging, within the scientific literature samples are usually thought to match if >80% of alleles are identical
- please note also that Jurkat is known to be genetically unstable in culture and the profile generated here is consistent with STR alterations that have been published for this line