

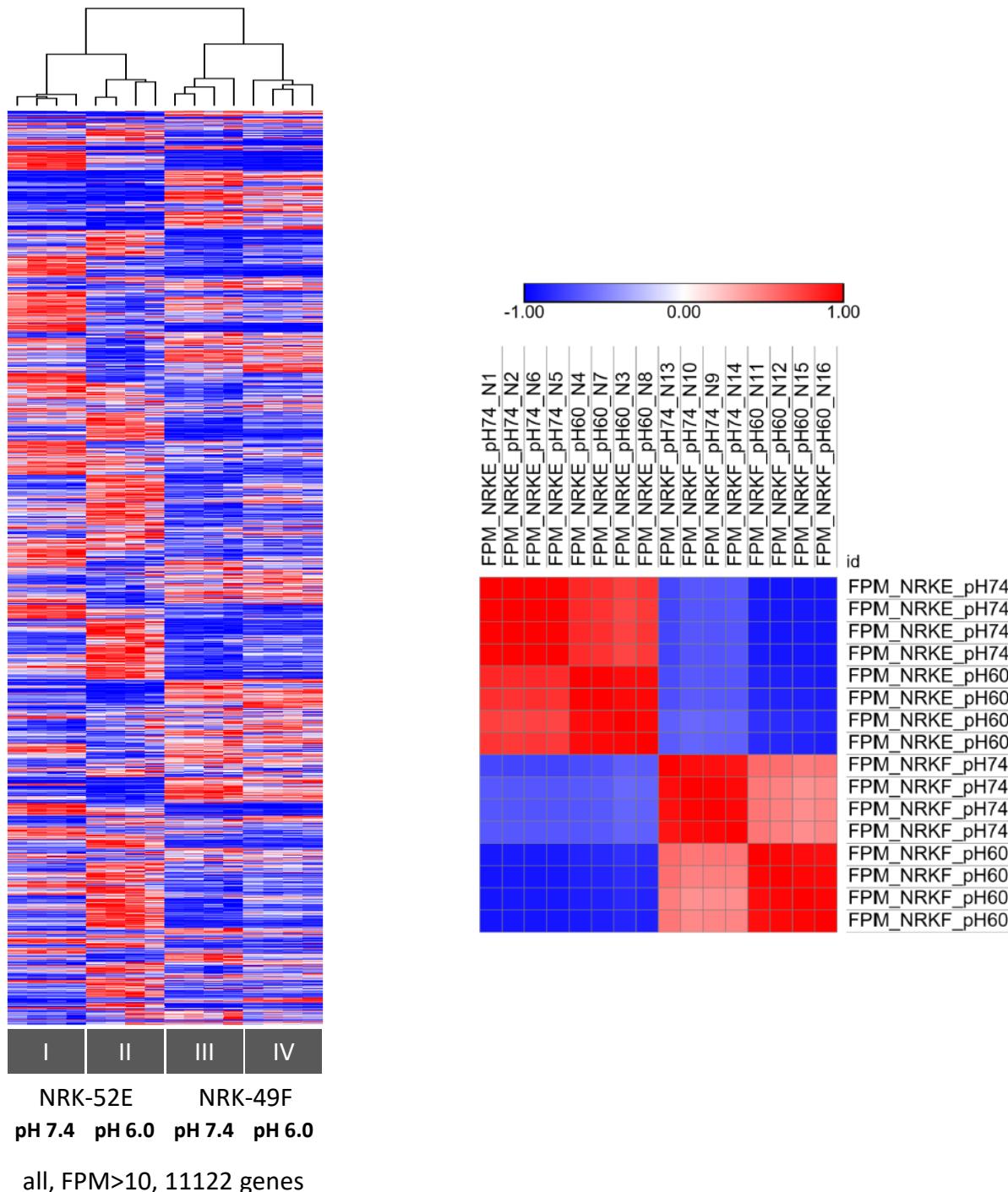
Supplementary figures

Supplementary figure S1

<https://software.broadinstitute.org/morpheus/>:

Clustering:
Euclidian distance
Linkage method = average

Similarity matrix:
Pearson correlation



Supplementary Table S1. Buffer composition

	<ul style="list-style-type: none">• 136.8 mM NaCl• 2.68 mM KCl• 8.1 mM Na₂HPO₄ x 2 H₂O
EDTA buffer	<ul style="list-style-type: none">• 2 mM KH₂PO₄• 0,7 mM EDTA• pH 7,2
MOPS-Triton buffer	<ul style="list-style-type: none">• 10 mM TRIS base• 20 mM MOPS• 100 mM NaCl• 1 mM EDTA• 0.01 % Triton X-100• pH adjusted to 7.5
6x Redmix/Lämmli buffer	<ul style="list-style-type: none">• 124.8 mM TRIS HCl (AppliChem GmbH, Darmstadt, GER)• 6 % SDS (Carl Roth GmbH&CoKG, Karlsruhe, GER)• 1,42 mM β-Mercaptoethanol (Sigma-Aldrich Co, St. Louis, USA)• 4,7 mM Glycerol (Sigma-Aldrich Co, St. Louis, USA)• 155.2 mM Bromphenol Blue (SERVA Electrophoresis GmbH, Heidelberg, GER)• pH 6.8
running buffer	<ul style="list-style-type: none">• 25 mM TRIS

-
- 3,5 mM SDS
 - 192 mM glycine
-
- 20 % MeOH
- transfer buffer
- 25 mM Tris
 - 192 mM glycine
-
- 154 mM NaCl
 - 2.7 mM KCl
 - 8.2 mM Na₂HPO₄
 - 1.5 mM KH₂PO₄
- trypsin solution
- 0,7 mM EDTA
 - 0,2 mM streptomycin
 - 0,18 mM penicillin
 - 0.02 mM trypsin
 - pH 7,1-7,3
-
- 3 mM TRIS base
 - 140 mM NaCl
- 1xTBS TWEEN
- 0.17 mM TRIS-HCl
 - 1 % TWEEN 20
 - pH 7.4
-
- equilibration buffer
- 10 mM TRIS (pH 7.3)
-

-
- 10 mM KCl
 - 1.5 mM MgCl₂
 - 0.5 mM β -Mercaptoethanol
 - 1 : 100 protease inhibitor
-

lysis buffer

- equilibration buffer
- 0.4 % nonidet P40

extraction buffer

- 20 mM HEPES
- 0.4 M NaCl
- 1 mM EDTA
- 1 mM DTT
- 1 : 100 protease inhibitor

Supplementary Table S2. Primer sequences and annealing temperatures

Gene name	Accession number	Forward 5'-3'	Backward 5'-3'	Annealing °C
<i>Hprt1</i>	NM_012583.2	ACCAGTCAACGGGG-GACATA	TTGGGGCTG-TACTGCTTGAC	60°C
<i>Nrf2</i> (<i>Nef2l2</i>)	NM_031789.2	ACTACAGTCCCAG-CAGGACA	GTTTGGAATGTGGG-CAACC	60°C
<i>Tkt</i>	NM_022592.2	TCCATACCATGCGCTACAAG	ATAAGATGG-GAGCTGCATGG	60°C

Abbreviations: *Hprt* - Hypoxanthine Phosphoribosyltransferase 1, *Nrf2* (*Nef2l2*) - Nuclear factor erythroid 2-related factor 2, *Tkt* - transketolase