

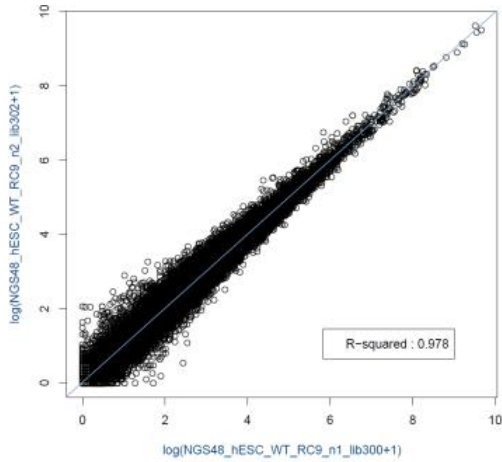
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Supplemental information

**SISTEMA: A large and standardized
collection of transcriptome data sets for human
pluripotent stem cell research**

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A



hESC RC9 (lib300) vs **hESC RC9** (lib 302) :
 $R^2=97,8$

B

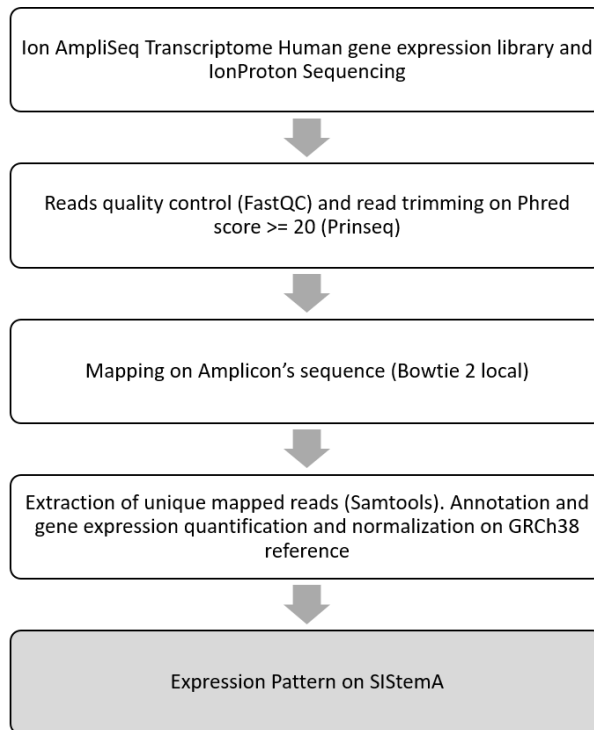
Frequency	# genes	% genes
1	20700	98.20
2	348	1.65
3	30	0.14
4	1	0.005
5	1	0.005

Frequency	# amplicons	% amplicons
1	20248	97.44
2	454	2.18
3	36	0.17
4	23	0.11
5	7	0.03
6	3	0.01
7	2	0.009
8	3	0.01
9	1	0.005
10	2	0.01
11	1	0.005
12	1	0.005

Figure S1: Validation of Ampliseq Technical and informatic treatment workflow (related to Figure 1 and 2)

a) Pearson correlation plot of the same RNA sample processing and sequencing independently:
 $R^2=97.8$

b) Frequency of genes with 1 or more amplicons (21080 genes). Frequency of amplicons with 1 or more genes (20781 amplicons)

A**B**

sample	Starting Material	deep coverage	% alignment
mean sample	50ng	10156774 +/- 28%	97.71

Figure S2: *Sistema processing and analysis workflow (related to Figure 1 and 2).*

a) Bio-informatic pipeline used for SIsistema

b) Summary of sequencing parameters