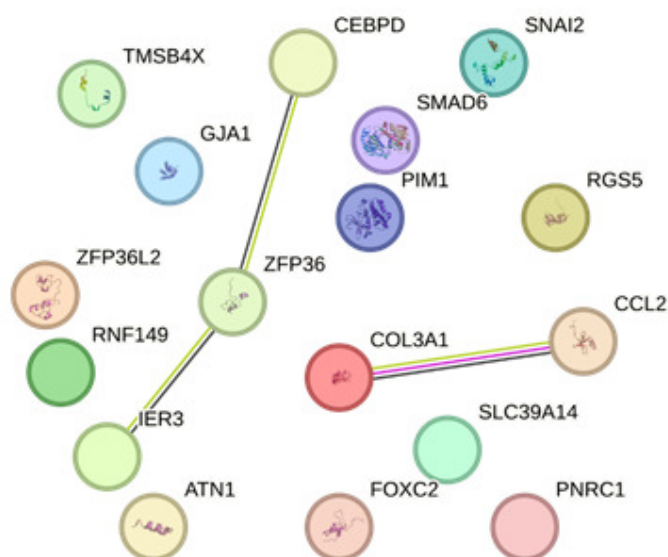


Supplementary Table S1. Composition of the maintenance solutions. HTK: histidine-tryptophane-ketoglutarate. HTK-N: Histidine-tryptophane-ketoglutarat-N.

	HTK	HTK-N
Electrolytes		
Na ⁺	16	16
K ⁺	10	10
Mg ²⁺	4	8
Ca ²⁺	0.015	0.020
Cl ⁻	50	30
Buffer substances		
Histidine	198	124
N α -acetyl-L-histidine	-	57
Further amino acids		
Tryptophan	2	2
α -Ketoglutarate	1	2
Aspartate	-	5
Arginine	-	3
Alanine	-	5
Glycine	-	10
Oncotic agents		
Mannitol	30.0	-
Sugars		
Sucrose	-	33
Iron chelators		
Deferoxamine	-	0.025
LK-614	-	0.0075



Supplementary Figure S1. Network analysis of the top 20 upregulated genes of HTK-N vs. HTK. The network was built utilizing the Gene String online tool. HTK: Histidine-tryptophane-ketoglutarate. HTK-N: Histidine-tryptophane-ketoglutarate-N.