

表 4. 显著相关基因和HAGR数据库中的长寿基因比较.

Types of HAGR longevity genes	Types of Significantly correlated genes	Number of observed overlapped genes	Number of expected overlapped genes	Overlap gene
All	negative	24	27.95	<i>ACOT12;LIG4;ADCY6;KDM4A;IL12A;RECQL5;NOS2;RECQL;LIMA1;BLM;TRAP1;ADGRL4;CP;MXD4;SOX5;NOX1;RAD51D;NDUFV2;NCAPD2;PIK3R5;TBXAS1;OTOL1;MLH3;BCL2</i>
Cell senescence	negative	5	6.04	<i>KDM4A;LIMA1;MXD4;SOX5;PIK3R5</i>
Calorie restriction expression	negative	1	3.22	<i>ACOT12</i>
Longevity variants	negative	17	16.84	<i>LIG4;ADCY6;IL12A;RECQL5;NOS2;RECQL;BLM;ADGRL4;CP;SOX5;NOX1;RAD51D;NDUFV2;NCAPD2;TBXAS1;OTOL1;MLH3</i>
Longevity genes	negative	3	6.63	<i>BLM;TRAP1;BCL2</i>
All	positive	22	22.66	<i>MTA3;ABCC4;HEPACAM;COL15A1;CAV1;IGFBP3;GLRX;KIF26B;TOP2B;IGF1;MOG;PTK2B;CDK7;CCND1;SLC13A3;ADAMTSL1;NEDD4L;GRIN2B;INSR;PEX5;RET;ACTN3</i>
Cell senescence	positive	5	4.90	<i>HEPACAM;CAV1;IGFBP3;CCND1;SLC13A3</i>
Calorie restriction expression	positive	1	2.61	<i>COL15A1</i>
Longevity variants	positive	13	13.66	<i>MTA3;ABCC4;IGFBP3;GLRX;KIF26B;IGF1;MOG;CCND1;ADAMTSL1;NEDD4L;GRIN2B;INSR;ACTN3</i>
Longevity genes	positive	8	5.37	<i>IGFBP3;TOP2B;IGF1;PTK2B;CDK7;INSR;PEX5;RET</i>