

**Supplementary Table S4. Twenty-five RNA A-to-I editing sites of hADAR2 verified by sanger sequencing.**

# No.	Gene name	Genomic location	Sequence (5' – 3')	EditRatio	Editing condition*
# 1	SPAPB1A10.11c	NC_003424.3: 1883139	5'-TCTTAATTTTATTGCCTTAAT-3'	0.14	20°C
# 2	SPAC19D5.04	NC_003424.3: 5215594	5'-CGTTTTTGTAGCTCTTCCGG-3'	0.15	20°C
# 3	SPBC16E9.07	NC_003423.3: 1927169	5'-TTCAGCAATTATTAAGAAT-3'	0.15	20°C
# 4	SPCC297.03	NC_003421.2: 1879730	5'-TATGGGCTTTAGGCGTTACTT-3'	0.15	20°C
# 5	SPAC3H5.09c	NC_003424.3: 3421420	5'-TCTTTTTATTAGCCATATGTA-3'	0.16	20°C
# 6	SPCC23B6.03c	NC_003421.2: 1272578	5'-CCAAGAGCTTAGAAAATTTT-3'	0.19	20°C
# 7	SPAPB1A10.11c	NC_003424.3:1883334	5'-TCACGTTATTAGAGGAGAGGA-3'	0.2	20°C
# 8	SPAC1565.07c	NC_003424.3: 1303046	5'-CAGCTTGATTACGGGAAGCTA-3'	0.21	20°C
# 9	SPBC16A3.11	NC_003423.3: 4277041	5'-ACAGTTCATTATTTTCGTGGCA-3'	0.21	20°C
# 10	SPBC31F10.14c	NC_003423.3: 3780525	5'-AGCAAAATTTATTTCTCAATT-3'	0.25	20°C
# 11	SPAC6F12.10c	NC_003424.3: 1330909	5'-TGCAAGCGATAGGCTTAGAAC-3'	0.28	20°C
# 12	SPAPB21F2.02	NC_003424.3: 496595	5'-TTCCAAAAATAACCGAGCTTT-3'	0.28	20°C
# 13	SPAC1F5.11c	NC_003424.3: 270502	5'-GCAGTATCTAAGTCTTTATGT-3'	0.31	20°C

# 14	SPAC694.02	NC_003424.3: 4202503	5'-CGATGGAAAAAGTTTTACGTG-3'	0.41	20°C
# 15	SPAC18B11.11	NC_003424.3: 296225	5'-GCTTAGAAAAAGAACTATTC-3'	0.31	20°C   35°C
# 16	SPBPJ4664.02	NC_003423.3: 699161	5'-TAGCAGCATTAGTGAAGCGTC-3'	0.35	20°C   35°C
# 17	SPBC11C11.11c	NC_003423.3: 3367763	5'-AACCCTGATTATGATCCTAAA-3'	0.42	20°C   35°C
# 18	SPAC12B10.01c	NC_003424.3: 4572622	5'-ATGGTCCCTTAGTTTCACTTA-3'	0.78	20°C   35°C
# 19	SPAC3H5.06c	NC_003424.3: 3432481	5'-CTGATTACTTAGAGGTAATTT-3'	0.35	20°C   30°C   35°C
# 20	SPAC4F10.04	NC_003424.3: 4837395	5'-CTTTCCGTTTAACCCTTTAGT-3'	0.36	20°C   30°C   35°C
# 21	SPCC970.08	NC_003421.2: 499146	5'-AGCATGATTTAGATGAAGTTA-3'	0.48	20°C   30°C   35°C
# 22	SPAC1F3.05	NC_003424.3: 624203	5'-ACTGAAGATTACTCTGCCTTG-3'	0.79	20°C   30°C   35°C
# 23	SPBP8B7.22	NC_003423.3: 3680495	5'-GTATTTGGTTAGAAAGTGTTG-3'	0.79	20°C   30°C   35°C
# 24	SPAC22G7.06c	NC_003424.3: 740685	5'-TAATGAAGGTAGACTTACTTT-3'	0.84	20°C   30°C   35°C
# 25	SPAC27D7.03c	NC_003424.3: 4512918	5'-GTAATGTTTTATTGTCAGCTG-3'	0.86	20°C   30°C   35°C

\* 20°C: the verified A-to-I RNA editing sites only detected in FY7652-hADAR2 cultured at 20°C; 20°C | 35°C: the verified A-to-I RNA editing sites detected in FY7652-hADAR2 cultured at 20°C and 35°C; 20°C | 30°C | 35°C: the verified A-to-I RNA editing sites detected in FY7652-hADAR2 cultured at 20°C, 30°C and 35°C.