

TFEB Links Autophagy to Lysosomal Biogenesis

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Citation Report

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1	Characterization of the CLEAR network reveals an integrated control of cellular clearance pathways. <i>Human Molecular Genetics</i> , 2011, 20, 3852-3866.	1.4	759
2	Feedback on Fat: p62-mTORC1-Autophagy Connections. <i>Cell</i> , 2011, 147, 724-727.	13.5	122
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4	Targeting leucine addiction and autophagy in melanoma. <i>Pigment Cell and Melanoma Research</i> , 2011, 24, 588-590.	1.5	2
5	The gluttonous side of malignant melanoma: basic and clinical implications of macroautophagy. <i>Pigment Cell and Melanoma Research</i> , 2011, 24, 1116-1132.	1.5	21
6	TFEB perfects multitasking. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 405-405.	16.1	12
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1145	Evidence for lysosomal biogenesis proteome defect and impaired autophagy in preeclampsia. <i>Autophagy</i> , 2020, 16, 1771-1785.	4.3	62
1146	Restriction of intracellular <i>Salmonella</i> replication by restoring TFEB-mediated xenophagy. <i>Autophagy</i> , 2020, 16, 1584-1597.	4.3	35
1147	Regulation of PGC-1 β expression by a GSK-3 β -TFEB signaling axis in skeletal muscle. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118610.	1.9	31
1148	The role of autophagy in brown and beige adipose tissue plasticity. <i>Journal of Physiology and Biochemistry</i> , 2020, 76, 213-226.	1.3	26
1149	Galectin-3 Coordinates a Cellular System for Lysosomal Repair and Removal. <i>Developmental Cell</i> , 2020, 52, 69-87.e8.	3.1	198
1150	All-trans retinoic acid (ATRA)-induced TFEB expression is required for myeloid differentiation in acute promyelocytic leukemia (APL). <i>European Journal of Haematology</i> , 2020, 104, 236-250.	1.1	21
1151	Oxidation of multiple MIT/TFE transcription factors links oxidative stress to transcriptional control of autophagy and lysosome biogenesis. <i>Autophagy</i> , 2020, 16, 1683-1696.	4.3	65
1152	Acetyltransferase GCN5 regulates autophagy and lysosome biogenesis by targeting TFEB. <i>EMBO Reports</i> , 2020, 21, e48335.	2.0	90
1153	Lysosomes as dynamic regulators of cell and organismal homeostasis. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 101-118.	16.1	757
1154	A small molecule transcription factor EB activator ameliorates beta-amyloid precursor protein and Tau pathology in Alzheimer's disease models. <i>Aging Cell</i> , 2020, 19, e13069.	3.0	101
1155	Developing Therapies for Neurodegenerative Disorders: Insights from Protein Aggregation and Cellular Stress Responses. <i>Annual Review of Cell and Developmental Biology</i> , 2020, 36, 165-189.	4.0	35
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1158	Deregulation of signalling in genetic conditions affecting the lysosomal metabolism of cholesterol and galactosyl-sphingolipids. <i>Neurobiology of Disease</i> , 2020, 146, 105142.	2.1	6
1159	Microglial autophagy-associated phagocytosis is essential for recovery from neuroinflammation. <i>Science Immunology</i> , 2020, 5, .	5.6	89
1160	14,15-Epoxyeicosatrienoic Acid Alleviates Pathology in a Mouse Model of Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2020, 40, 8188-8203.	1.7	25
1161	The anti-tumor agent, Dp44mT, promotes nuclear translocation of TFEB via inhibition of the AMPK-mTORC1 axis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165970.	1.8	7

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1163	Crosstalk of Hedgehog and mTORC1 Pathways. <i>Cells</i> , 2020, 9, 2316.	1.8	38
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1172	SETX (senataxin), the helicase mutated in AOA2 and ALS4, functions in autophagy regulation. <i>Autophagy</i> , 2021, 17, 1889-1906.	4.3	34
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1176	An FGF15/19-TFEB regulatory loop controls hepatic cholesterol and bile acid homeostasis. <i>Nature Communications</i> , 2020, 11, 3612.	5.8	55
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1179	Autophagy and Redox Homeostasis in Parkinson's Disease: A Crucial Balancing Act. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-38.	1.9	14

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1183	Monitoring TFEB translocation. <i>Methods in Cell Biology</i> , 2020, 164, 1-9.	0.5	2
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1206	Glutamate Carrier Involvement in Mitochondrial Dysfunctioning in the Brain White Matter. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 151.	1.6	7
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1455	20-Deoxyingenol alleviates osteoarthritis by activating TFEB in chondrocytes. <i>Pharmacological Research</i> , 2021, 165, 105361.	3.1	12
1456	YAP plays a crucial role in the development of cardiomyopathy in lysosomal storage diseases. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	29
1457	Lysosomal Calcium Channels in Autophagy and Cancer. <i>Cancers</i> , 2021, 13, 1299.	1.7	24
1458	Maintenance of Neural Stem-Progenitor Cells by the Lysosomal Biosynthesis Regulators TFEB and TFE3 in the Embryonic Mouse Telencephalon. <i>Stem Cells</i> , 2021, 39, 929-944.	1.4	14
1459	Lysosome (Dys)function in Atherosclerosis—A Big Weight on the Shoulders of a Small Organelle. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 658995.	1.8	21
1460	Control of the Autophagy Pathway in Osteoarthritis: Key Regulators, Therapeutic Targets and Therapeutic Strategies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2700.	1.8	20
1461	THOC4 regulates energy homeostasis by stabilizing <i>TFEB</i> mRNA during prolonged starvation. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	0
1462	Protective or Harmful: The Dual Roles of Autophagy in Diabetic Retinopathy. <i>Frontiers in Medicine</i> , 2021, 8, 644121.	1.2	29
1463	Transcription factor EB (TFEB)-mediated autophagy protects bovine mammary epithelial cells against H ₂ O ₂ -induced oxidative damage in vitro. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 35.	2.1	17
1464	TFEB—GDF15 axis protects against obesity and insulin resistance as a lysosomal stress response. <i>Nature Metabolism</i> , 2021, 3, 410-427.	5.1	36
1465	Trehalose causes low-grade lysosomal stress to activate TFEB and the autophagy-lysosome biogenesis response. <i>Autophagy</i> , 2021, 17, 3740-3752.	4.3	54
1466	The translocator protein (TSPO) is prodromal to mitophagy loss in neurotoxicity. <i>Molecular Psychiatry</i> , 2021, 26, 2721-2739.	4.1	10
1467	Surgical procedures suppress autophagic flux in the kidney. <i>Cell Death and Disease</i> , 2021, 12, 248.	2.7	5
1468	Resveratrol promotes lysosomal function via ER calcium-dependent TFEB activation to ameliorate lipid accumulation. <i>Biochemical Journal</i> , 2021, 478, 1159-1173.	1.7	11
1469	New Insights into Pathomechanisms and Treatment Possibilities for Lung Silicosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4162.	1.8	61
1470	Genistein Activates Transcription Factor EB and Corrects Niemann—Pick C Phenotype. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4220.	1.8	15
1471	How autophagy controls the intestinal epithelial barrier. <i>Autophagy</i> , 2022, 18, 86-103.	4.3	125

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1473	A NOVEL NOX/PHOX-CD38-NAADP-TFEB AXIS IMPORTANT FOR MACROPHAGE ACTIVATION DURING BACTERIAL PHAGOCYTOSIS. <i>Autophagy</i> , 2022, 18, 124-141.	4.3	17
1474	Disruption of Cxcr3 chemotactic signaling alters lysosomal function and renders macrophages more microbicidal. <i>Cell Reports</i> , 2021, 35, 109000.	2.9	3
1475	Porcine hemagglutinating encephalomyelitis virus induces atypical autophagy via opposite regulation of expression and nuclear translocation of transcription factor EB. <i>Veterinary Microbiology</i> , 2021, 255, 109015.	0.8	3
1476	Targeting autophagy using saponins as a therapeutic and preventive strategy against human diseases. <i>Pharmacological Research</i> , 2021, 166, 105428.	3.1	15
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1478	Manifestations of Age on Autophagy, Mitophagy and Lysosomes in Skeletal Muscle. <i>Cells</i> , 2021, 10, 1054.	1.8	21
1479	Macrophage SR-BI modulates autophagy via VPS34 complex and PPAR α transcription of Tfeb in atherosclerosis. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	41
1480	The role of nuclear Ca ²⁺ in maintaining neuronal homeostasis and brain health. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	13
1481	Neurodegenerative <i>VPS41</i> variants inhibit HOPS function and mTORC1-dependent TFEB/TFE3 regulation. <i>EMBO Molecular Medicine</i> , 2021, 13, e13258.	3.3	26
1482	Broad-Spectrum HDAC Inhibitors Promote Autophagy through FOXO Transcription Factors in Neuroblastoma. <i>Cells</i> , 2021, 10, 1001.	1.8	17
1483	Folliculin: A Regulator of Transcription Through AMPK and mTOR Signaling Pathways. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 667311.	1.8	34
1484	Biomarkers in Glycogen Storage Diseases: An Update. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4381.	1.8	14
1485	Mechanisms of demyelination and neurodegeneration in globoid cell leukodystrophy. <i>Glia</i> , 2021, 69, 2309-2331.	2.5	21
1486	Emerging Roles of Impaired Autophagy in Fatty Liver Disease and Hepatocellular Carcinoma. <i>International Journal of Hepatology</i> , 2021, 2021, 1-19.	0.4	21
1487	The Unique Phenotype of Lipid-Laden Macrophages. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4039.	1.8	27
1489	The Oncogene Transcription Factor EB Regulates Vascular Functions. <i>Frontiers in Physiology</i> , 2021, 12, 640061.	1.3	7
1490	TFEB regulates pluripotency transcriptional network in mouse embryonic stem cells independent of autophagy-lysosomal biogenesis. <i>Cell Death and Disease</i> , 2021, 12, 343.	2.7	14

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1493	Lysosome biogenesis: Regulation and functions. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	154
1494	Imaging of lysosomal oxidative stress during autophagy with a ratiometric probe featuring a large probe-product spectral separation. <i>Sensors and Actuators B: Chemical</i> , 2021, 335, 129713.	4.0	4
1495	Gastrodin induces lysosomal biogenesis and autophagy to prevent the formation of foam cells via AMPK/FoxO1/TFEB signalling axis. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 5769-5781.	1.6	21
1496	Microphthalmia-Associated Transcription Factor in Senescence and Age-Related Diseases. <i>Gerontology</i> , 2021, 67, 708-717.	1.4	6
1497	The human vault RNA enhances tumorigenesis and chemoresistance through the lysosome in hepatocellular carcinoma. <i>Autophagy</i> , 2022, 18, 191-203.	4.3	13
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1505	TFEB deficiency attenuates mitochondrial degradation upon brown adipose tissue whitening at thermoneutrality. <i>Molecular Metabolism</i> , 2021, 47, 101173.	3.0	17
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1514	Autophagy in metabolism and quality control: opposing, complementary or interlinked functions?. <i>Autophagy</i> , 2022, 18, 283-292.	4.3	32
1515	C-terminus of Hsp70 Interacting Protein (CHIP) and Neurodegeneration: Lessons from the Bench and Bedside. <i>Current Neuropharmacology</i> , 2021, 19, 1038-1068.	1.4	9
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1517	Autophagy: A Friend or Foe in Allergic Asthma?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6314.	1.8	17
1518	RIP3 impedes transcription factor EB to suppress autophagic degradation in septic acute kidney injury. <i>Cell Death and Disease</i> , 2021, 12, 593.	2.7	20
1519	Friend or Foe: Paradoxical Roles of Autophagy in Gliomagenesis. <i>Cells</i> , 2021, 10, 1411.	1.8	14
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1521	Polyamines: Functions, Metabolism, and Role in Human Disease Management. <i>Medical Sciences (Basel)</i> , 2021, 9, 784314.	1.3	49
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1524	Advances in the role of autophagy in the development of retinoblastoma (Review). <i>Oncology Letters</i> , 2021, 22, 632.	0.8	2
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1529	Early onset effects of single substrate accumulation recapitulate major features of LSD in patient-derived lysosomes. <i>IScience</i> , 2021, 24, 102707.	1.9	11
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1532	Autophagy in the diabetic heart: A potential pharmacotherapeutic target in diabetic cardiomyopathy. <i>Ageing Research Reviews</i> , 2021, 68, 101338.	5.0	81
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1538	Quercetin in Tartary Buckwheat Induces Autophagy against Protein Aggregations. <i>Antioxidants</i> , 2021, 10, 1217.	2.2	1
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1541	TSC2 regulates lysosome biogenesis via a non-canonical RAGC and TFEB-dependent mechanism. <i>Nature Communications</i> , 2021, 12, 4245.	5.8	52
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1546	miR-1 coordinately regulates lysosomal v-ATPase and biogenesis to impact proteotoxicity and muscle function during aging. <i>ELife</i> , 2021, 10, .	2.8	9
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1556	Kidney cancer: from genes to therapy. <i>Current Problems in Cancer</i> , 2021, 45, 100773.	1.0	5
1557	Enhanced Activity of Exportin-1/CRM1 in Neurons Contributes to Autophagy Dysfunction and Senescent Features in Old Mouse Brain. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-22.	1.9	9
1558	Cross talk between autophagy and oncogenic signaling pathways and implications for cancer therapy. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021, 1876, 188565.	3.3	36
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1562	The Role and Regulatory Mechanism of Transcription Factor EB in Health and Diseases. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 667750.	1.8	23
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1564	TFEB insufficiency promotes cardiac hypertrophy by blocking autophagic degradation of GATA4. <i>Journal of Biological Chemistry</i> , 2021, 297, 101189.	1.6	13
1565	Autophagy and Host Defense in Nontuberculous Mycobacterial Infection. <i>Frontiers in Immunology</i> , 2021, 12, 728742.	2.2	14
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1567	ZKSCAN3 in severe bacterial lung infection and sepsis-induced immunosuppression. <i>Laboratory Investigation</i> , 2021, 101, 1467-1474.	1.7	8
1568	Autophagy in metabolic disease and ageing. <i>Nature Reviews Endocrinology</i> , 2021, 17, 647-661.	4.3	159
1569	Molecular targets and approaches to restore autophagy and lysosomal capacity in neurodegenerative disorders. <i>Molecular Aspects of Medicine</i> , 2021, 82, 101018.	2.7	8
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1572	Translational Aspects of the Mammalian Target of Rapamycin Complexes in Diabetic Nephropathy. <i>Antioxidants and Redox Signaling</i> , 2022, 37, 802-819.	2.5	4
1573	DNA Repair Inhibition Leads to Active Export of Repetitive Sequences to the Cytoplasm Triggering an Inflammatory Response. <i>Journal of Neuroscience</i> , 2021, 41, 9286-9307.	1.7	13
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1575	Imiquimod Accelerated Antitumor Response by Targeting Lysosome Adaptation in Skin Cancer Cells. <i>Journal of Investigative Dermatology</i> , 2021, 141, 2219-2228.e8.	0.3	6
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1586	7-ketocholesterol enhances autophagy via the ROS-TFEB signaling pathway in osteoclasts. <i>Journal of Nutritional Biochemistry</i> , 2021, 96, 108783.	1.9	15
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1592	Autophagy in cell plasticity with particular focus on paligenosis. , 2022, , 143-157.		0
1593	The role of lysosomes in autophagy. , 2022, , 57-70.		0
1595	Mammalian microautophagy: mechanism and roles in disease. , 2022, , 385-397.		0
1597	Betulinic acid inhibits pyroptosis in spinal cord injury by augmenting autophagy via the AMPK-mTOR-TFEB signaling pathway. <i>International Journal of Biological Sciences</i> , 2021, 17, 1138-1152.	2.6	66
1598	Transcription factor EB regulates cardiovascular homeostasis. <i>EBioMedicine</i> , 2021, 63, 103207.	2.7	23
1599	Mit/TFE Family of Transcription Factors: An Evolutionary Perspective. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 609683.	1.8	46
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1603	Image-based pooled whole-genome CRISPRi screening for subcellular phenotypes. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	48
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1605	Autophagy in liver diseases. <i>World Journal of Hepatology</i> , 2021, 13, 6-65.	0.8	34
1606	The rapidly evolving view of lysosomal storage diseases. <i>EMBO Molecular Medicine</i> , 2021, 13, e12836.	3.3	118
1607	Cathepsins in neuronal plasticity. <i>Neural Regeneration Research</i> , 2021, 16, 26.	1.6	18
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1614	The Interplay Between Proteostasis Systems and Parkinsonâ€™s Disease. Advances in Experimental Medicine and Biology, 2020, 1233, 223-236.	0.8	6
1615	Circadian Rhythms and Proteostasis in Aging. Healthy Ageing and Longevity, 2017, , 163-191.	0.2	3
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1617	Structural Basis of Autophagy Regulatory Proteins. Advances in Experimental Medicine and Biology, 2019, 1206, 287-326.	0.8	5
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1628	TORC1 regulates vacuole membrane composition through ubiquitin- and ESCRT-dependent microautophagy. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	47
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1644	TFEB-driven lysosomal biogenesis is pivotal for PGC1 β -dependent renal stress resistance. <i>JCI Insight</i> , 2019, 4, .	2.3	40
1645	TFEB activation in macrophages attenuates postmyocardial infarction ventricular dysfunction independently of ATG5-mediated autophagy. <i>JCI Insight</i> , 2019, 4, .	2.3	39
1646	Transcription factor EB overexpression prevents neurodegeneration in experimental synucleinopathies. <i>JCI Insight</i> , 2019, 4, .	2.3	54
1648	Lactate inhibits ATP6V0d2 expression in tumor-associated macrophages to promote HIF-2 α -mediated tumor progression. <i>Journal of Clinical Investigation</i> , 2019, 129, 631-646.	3.9	138
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1725	Souris et Rats de Laboratoire. <i>Materials and Methods</i> , 0, fr2, .	0.0	0
1726	à ,ä½•é€%æ<ç¬à°ÆæŠ–ä½“. à¸¸žé ^a Æææ– TM à'Ææ–1æ ³ , 0, cn2, .	0.0	0
1727	à¸¸žé ^a Æææ–à¸¸°é¼à'ÆæŠé¼. à¸¸žé ^a Æææ– TM à'Ææ–1æ ³ , 0, cn2, .	0.0	0
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1756	Advances in the Regulation of Autophagy. Advances in Clinical Medicine, 2019, 09, 163-179.	0.0	0
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1775	Autophagy and Aging: Roles in Skeletal Muscle, Eye, Brain and Hepatic Tissue. Frontiers in Cell and Developmental Biology, 2021, 9, 752962.	1.8	11
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1836	Time-dependent changes in autophagy, mitophagy and lysosomes in skeletal muscle during denervation-induced disuse. <i>Journal of Physiology</i> , 2022, 600, 1683-1701.	1.3	21
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