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mTOR signaling at a glance

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1814	Inhibition of mammalian target of rapamycin: the janus face of immunosuppression?. <b>2010</b> , 51, 1113-5		4
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1810	An oscillatory switch in mTOR kinase activity sets regulatory T cell responsiveness. <b>2010</b> , 33, 929-41		270

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1808	C/EBP[]friend or foe? a novel role for C/EBP[]n metastasis. <b>2010</b> , 29, 4063-5	4
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666	Role of Phytochemicals in Modulating Signaling Cascades in Cancer Cells. <b>2020</b> , 11-45	O
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664	Effect of Probiotics and Multi-Component Feed Additives on Microbiota, Gut Barrier and Immune Responses in Broiler Chickens During Subclinical Necrotic Enteritis. <b>2020</b> , 7, 572142	16
663	mTORfhLST8 interaction: hot spot identification through quantum biochemistry calculations. <b>2020</b> , 44, 20982-20992	2
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660	Therapeutic and vaccine strategies against SARS-CoV-2: past, present and future. <b>2020</b> , 15, 471-482	8
659	A Novel Network Pharmacology Strategy to Decode Metabolic Biomarkers and Targets Interactions for Depression. <b>2020</b> , 11, 667	4
658	Insight on Transcriptional Regulation of the Energy Sensing AMPK and Biosynthetic mTOR Pathway Genes. <b>2020</b> , 8, 671	11

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656	Identifying the key regulators that promote cell-cycle activity in the hearts of early neonatal pigs after myocardial injury. <b>2020</b> , 15, e0232963	4
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653	Novel, Selective Inhibitors of USP7 Uncover Multiple Mechanisms of Antitumor Activity and. <b>2020</b> , 19, 1970-1980	9
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650	Activation of mTORC1 by LSECtin in macrophages directs intestinal repair in inflammatory bowel disease. <b>2020</b> , 11, 918	5
649	Interfering with Autophagy: The Opposing Strategies Deployed by and Effector Proteins. <b>2020</b> , 10, 599762	11
648	-Lipoic Acid and 4-Phenylbutyric Acid Have Distinct Hypolipidemic Mechanisms in Hepatic Cells. <b>2020</b> , 8,	O
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640	Dynamic remodelling of the human host cell proteome and phosphoproteome upon enterovirus infection. <b>2020</b> , 11, 4332	7

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638	Cellular and molecular events of inflammation induced transdifferentiation (EMT) and regeneration (MET) in mesenteric mesothelial cells. <b>2020</b> , 69, 1173-1179	3
637	Targeting PI3K/Akt/mTOR in AML: Rationale and Clinical Evidence. <b>2020</b> , 9,	20
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634	Recent developments in anticancer kinase inhibitors based on the pyrazolo[3,4-]pyrimidine scaffold. <b>2020</b> , 11, 1112-1135	10
633	P2 I'Receptor Inhibits Astroglial Autophagy via Regulating FAK- and PHLPP1/2-Mediated AKT-S473 Phosphorylation Following Kainic Acid-Induced Seizures. <b>2020</b> , 21,	3
632	Targeting the Mitochondrial Metabolic Network: A Promising Strategy in Cancer Treatment. <b>2020</b> , 21,	15
631	Nonalcoholic Fatty Liver Disease and Non-Alcoholic Steatohepatitis: Current Issues and Future Perspectives in Preclinical and Clinical Research. <b>2020</b> , 21,	14
630	Hetero-oligomerization of Rho and Ras GTPases Connects GPCR Activation to mTORC2-AKT Signaling. <b>2020</b> , 33, 108427	6
629	Resveratrol, curcumin, paclitaxel and miRNAs mediated regulation of PI3K/Akt/mTOR pathway: go four better to treat bladder cancer. <b>2020</b> , 20, 560	11
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627	Molecular networks of insulin signaling and amino acid metabolism in subcutaneous adipose tissue are altered by body condition in periparturient Holstein cows. <b>2020</b> , 103, 10459-10476	4
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616	High Mobility Group AT-Hook 2 (HMGA2) Oncogenicity in Mesenchymal and Epithelial Neoplasia. <b>2020</b> , 21,	13
615	Immunoregulation with mTOR inhibitors to prevent COVID-19 severity: A novel intervention strategy beyond vaccines and specific antiviral medicines. <b>2020</b> , 92, 1495-1500	48
614	Phosphorylation of mouse intestinal basolateral amino acid uniporter LAT4 is controlled by food-entrained diurnal rhythm and dietary proteins. <b>2020</b> , 15, e0233863	4
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612	Incorporation of arginine, glutamine or leucine in culture medium accelerates activation of primordial follicles in 1-day-old mouse ovary. <b>2020</b> , 1-8	1
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610	Mechanisms of activation and key roles of SGK3 under physiological conditions and in prostate and breast cancer <b>2020</b> , 15,	
609	GANT-61 Induces Autophagy and Apoptosis in Glioblastoma Cells despite their heterogeneity. <b>2021</b> , 41, 1227-1244	5
608	Metabolic host response and therapeutic approaches to influenza infection. <b>2020</b> , 25, 15	26
607	Synergistic Effect of Alectinib and Everolimus on ALK-positive Anaplastic Large Cell Lymphoma Growth Inhibition. <b>2020</b> , 40, 1395-1403	2
606	Metabolic and immunologic control of intestinal cell function by mTOR. <b>2020</b> , 32, 455-465	3
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594	l-Arginine supplementation of gilts during early gestation modulates energy sensitive pathways in pig conceptuses. <b>2020</b> , 87, 819	2
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592	Quantification of neural and hormonal receptors at the prostate of long-term sexual behaving male rats after lesion of pelvic and hypogastric nerves. <b>2020</b> , 222, 112915	
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588	Notch Signaling in Embryology and Cancer. <b>2020</b> ,	
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586	Exploiting immunometabolism and T cell function for solid organ transplantation. <b>2020</b> , 351, 104068	3

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584	Rapamycin induces morphological and physiological changes without increase in lipid content in Ustilago maydis. <b>2020</b> , 202, 1211-1221	2
583	Doxycycline-induced exogenous Bmi-1 expression enhances tumor formation in a murine model of oral squamous cell carcinoma. <b>2020</b> , 21, 400-411	4
582	The clinical trial landscape in amyotrophic lateral sclerosis-Past, present, and future. <b>2020</b> , 40, 1352-1384	26
581	Molecular hydrogen attenuates sepsis-induced neuroinflammation through regulation of microglia polarization through an mTOR-autophagy-dependent pathway. <b>2020</b> , 81, 106287	36
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578	Essential Amino Acid Supplement Lowers Intrahepatic Lipid despite Excess Alcohol Consumption. <b>2020</b> , 12,	O
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576	The Ubiquitin System: a Regulatory Hub for Intellectual Disability and Autism Spectrum Disorder. <b>2020</b> , 57, 2179-2193	16
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571	In Vitro and in Vivo Activity of mTOR Kinase and PI3K Inhibitors Against and. <b>2020</b> , 25,	7
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568	Metabolic characterization of a paused-like pluripotent state. <b>2020</b> , 1864, 129612	5

567	Altered Sphingolipids Metabolism Damaged Mitochondrial Functions: Lessons Learned From Gaucher and Fabry Diseases. <b>2020</b> , 9,	12
566	Targeted therapy for mTORC1-driven tumours through HDAC inhibition by exploiting innate vulnerability of mTORC1 hyper-activation. <b>2020</b> , 122, 1791-1802	2
565	REV-ERB\(\text{B}\)ctivates the mTOR signalling pathway and promotes myotubes differentiation. <b>2020</b> , 112, 213-221	2
564	Transcription profiles of oocytes during maturation and embryos during preimplantation development in vivo in the goat. <b>2020</b> , 32, 714-725	2
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557	Development of a fluorescent three-hybrid system for the identification of protein-protein associators. <b>2021</b> , 113, e24178	
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555	Neurodegenerative Implications of Neuronal Cytoplasmic Protein Dysfunction in Response to Environmental Contaminants. <b>2021</b> , 39, 533-541	1
554	Effects of branched-chain amino acid supplementation and resistance training in postmenopausal women. <b>2021</b> , 144, 111185	2
553	REV-ERBBlters circadian rhythms by modulating mTOR signaling. <b>2021</b> , 521, 111108	2
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551	Immunometabolic Pathways and Its Therapeutic Implication in Autoimmune Diseases. 2021, 60, 55-67	8
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549	Identification of genes related to intramuscular fat independent of backfat thickness in Duroc pigs using single-step genome-wide association. <b>2021</b> , 52, 108-113	6
548	Dysregulated Protein Synthesis in Major Depressive Disorder. <b>2021</b> , 510-532	
547	Reproductive Longevity and Aging: Geroscience Approaches to Maintain Long-Term Ovarian Fitness. <b>2021</b> , 76, 1551-1560	6
546	Bufalin inhibits ovarian carcinoma via targeting mTOR/HIF-pathway. <b>2021</b> , 128, 224-233	7
545	Right heart failure in pulmonary hypertension: Diagnosis and new perspectives on vascular and direct right ventricular treatment. <b>2021</b> , 178, 90-107	17
544	The use of rapamycin to treat vascular tumours and malformations: A single-centre experience. <b>2021</b> , 26, e25-e32	3
543	Can Exercise-Induced Muscle Damage Be a Good Model for the Investigation of the Anti-Inflammatory Properties of Diet in Humans?. <b>2021</b> , 9,	4
542	Morroniside promotes the osteogenesis by activating PI3K/Akt/mTOR signaling. <b>2021</b> , 85, 332-339	6
541	Cellular quiescence in budding yeast. <b>2021</b> , 38, 12-29	13
540	The effects of gradual vs. rapid weight loss on serum concentrations of myokines and body composition in overweight and obese females. <b>2021</b> , 1-8	3
539	mTOR and AMP-Activated Protein Kinase in Obesity and Cancer. <b>2021</b> , 81-107	
538	MicroRNA-155 Controls NKT Cell Development and Lineage Differentiation by Coordinating Multiple Regulating Pathways. <b>2020</b> , 8, 619220	3
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535	Identification of TOR-responsive slow-cycling neoblasts in planarians. <b>2021</b> , 22, e50292	4
534	Characterization of Signalling Pathways That Link Apoptosis and Autophagy to Cell Death Induced by Estrone Analogues Which Reversibly Depolymerize Microtubules. <b>2021</b> , 26,	3
533	Insulin signaling in health and disease. <b>2021</b> , 131,	42
532	Isometric blood flow restriction exercise: acute physiological and neuromuscular responses. <b>2021</b> , 13, 12	6

531	mTOR inhibition: a double-edged sword in patients with COVID-19?. <b>2021</b> , 34, 698-699	6
530	Maf1 suppression of ATF5-dependent mitochondrial unfolded protein response contributes to rapamycin-induced radio-sensitivity in lung cancer cell line A549. <b>2021</b> , 13, 7300-7313	2
529	Effects of resistance training combined with a ketogenic diet on body composition: a systematic review and meta-analysis. <b>2021</b> , 1-16	4
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527	Therapeutic Strategies Against Cancer Stem Cells in Esophageal Carcinomas. <b>2020</b> , 10, 598957	3
526	The host mTOR pathway and parasitic diseases pathogenesis. <b>2021</b> , 120, 1151-1166	12
525	Fluoxetine regulates eEF2 activity (phosphorylation) via HDAC1 inhibitory mechanism in an LPS-induced mouse model of depression. <b>2021</b> , 18, 38	6
524	Intravitreal sirolimus for persistent, exudative age-related macular degeneration: a Pilot Study. <b>2021</b> , 7, 11	2
523	Receptor Tyrosine Kinase Signaling and Targeting in Glioblastoma Multiforme. <b>2021</b> , 22,	11
522	Transcriptomic Changes Associated with Loss of Cell Viability Induced by Oxysterol Treatment of a Retinal Photoreceptor-Derived Cell Line: An In Vitro Model of Smith-Lemli-Opitz Syndrome. <b>2021</b> , 22,	O
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518	Label-free metabolic clustering through unsupervised pixel classification of multiparametric fluorescent images. <b>2021</b> , 1148, 238173	7
517	Pathway-level analysis of genome-wide circadian dynamics in diverse tissues in rat and mouse. <b>2021</b> , 48, 361-374	O
516	SIRT6 in Senescence and Aging-Related Cardiovascular Diseases. <b>2021</b> , 9, 641315	4
515	Targeting AKT/mTOR and Bcl-2 for Autophagic and Apoptosis Cell Death in Lung Cancer: Novel Activity of a Polyphenol Compound. <b>2021</b> , 10,	4
514	Evaluating a New Class of AKT/mTOR Activators for HIV Latency Reversing Activity. <b>2021</b> ,	3

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512	The effect of anti-HLA class antibodies on the immunological properties of human glomerular endothelial cells and their modification by mTOR inhibition or GCN2 kinase activation. <b>2021</b> , 23,	Ο
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509	S6K1 Is Indispensible for Stress-Induced Microtubule Acetylation and Autophagic Flux. 2021, 10,	2
508	Metabolic Regulation of Stem Cells in Aging <b>2021</b> , 7, 72-84	O
507	Curcumin and cardiovascular diseases: Focus on cellular targets and cascades. <b>2021</b> , 136, 111214	21
506	AICAR and compound C negatively modulate HCC-induced primary human hepatic stellate cell activation in vitro. <b>2021</b> , 320, G543-G556	4
505	CHIR99021 Augmented the Function of Late Endothelial Progenitor Cells by Preventing Replicative Senescence. <b>2021</b> , 22,	0
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502	Direct Effects of Lipopolysaccharide on Human Pancreatic Cancer Cells. <b>2021</b> , 50, 524-528	1
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500	The Hallmarks of Flavonoids in Cancer. <b>2021</b> , 26,	23
499	Therapies of Hematological Malignancies: An Overview of the Potential Targets and Their Inhibitors. <b>2021</b> , 15, 19-49	1
498	Pharmacologic mechanisms underlying antidiabetic drug metformin's chemopreventive effect against colorectal cancer. <b>2021</b> , 897, 173956	5
497	Research Progresses of Targeted Therapy and Immunotherapy for Hepatocellular Carcinoma. <b>2021</b> , 28, 3107-3146	5
496	Regulatory T cells and transplantation tolerance: Emerging from the darkness?. <b>2021</b> , 51, 1580-1591	2

495	Disentangling the aging gene expression network of termite queens. <b>2021</b> , 22, 339	3
494	Therapeutic Potential of Exploiting Autophagy Cascade Against Coronavirus Infection. <b>2021</b> , 12, 675419	13
493	mTOR Signaling in Metabolic Stress Adaptation. <b>2021</b> , 11,	3
492	Role of intracellular signaling pathways and their inhibitors in the treatment of inflammation. <b>2021</b> , 29, 617-640	4
491	Targeted radioimmunotherapy with the iodine-131-labeled caerin 1.1 peptide for human anaplastic thyroid cancer in nude mice. <b>2021</b> , 35, 811-822	1
490	Patients with Congenital Low-Flow Vascular Malformation Treated with Low Dose Sirolimus. <b>2021</b> , 38, 3465-3482	3
489	Targeting RTK-PI3K-mTOR Axis in Gliomas: An Update. <b>2021</b> , 22,	18
488	Small molecule QF84139 ameliorates cardiac hypertrophy via activating the AMPK signaling pathway. <b>2021</b> ,	1
487	An Integrated Transcriptomic Approach to Identify Molecular Markers of Calcineurin Inhibitor Nephrotoxicity in Pediatric Kidney Transplant Recipients. <b>2021</b> , 22,	1
486	Systemic Actions of SGLT2 Inhibition on Chronic mTOR Activation as a Shared Pathogenic Mechanism between Alzheimer's Disease and Diabetes. <b>2021</b> , 9,	6
485	Akt-mTOR hypoactivity in bipolar disorder gives rise to cognitive impairments associated with altered neuronal structure and function. <b>2021</b> , 109, 1479-1496.e6	6
484	PI3K signalling in chronic obstructive pulmonary disease and opportunities for therapy. <b>2021</b> , 254, 505-518	3
483	The Glucosylceramide Synthase Inhibitor PDMP Causes Lysosomal Lipid Accumulation and mTOR Inactivation. <b>2021</b> , 22,	3
482	Connectivity Map Analysis Indicates PI3K/Akt/mTOR Inhibitors as Potential Anti-Hypoxia Drugs in Neuroblastoma. <b>2021</b> , 13,	1
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478	Expression Regulation, Protein Chemistry and Functional Biology of the Guanine-Rich Sequence Binding Factor 1 (GRSF1). <b>2021</b> , 433, 166922	1

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477	Regulation of the Actin Cytoskeleton via Rho GTPase Signalling in and Mammalian Cells: A Parallel Slalom. <b>2021</b> , 10,	6
476	Normalization of Enzyme Expression and Activity Regulating Vitamin A Metabolism Increases RAR-Beta Expression and Reduces Cellular Migration and Proliferation in Diseases Caused by Tuberous Sclerosis Gene Mutations. <b>2021</b> , 11, 644592	O
475	The emerging role of microRNA in regulating the mTOR signaling pathway in immune and inflammatory responses. <b>2021</b> , 99, 814-832	5
474	The impact of leuprolide acetate-loaded calcium phosphate silicate cement to bone regeneration under osteoporotic conditions. <b>2021</b> , 16,	1
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466	Thyroid Hormone Receptor Beta Inhibits PI3K-Akt-mTOR Signaling Axis in Anaplastic Thyroid Cancer via Genomic Mechanisms. <b>2021</b> , 5, bvab102	6
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464	Natural-derived compounds and their mechanisms in potential autosomal dominant polycystic kidney disease (ADPKD) treatment. <b>2021</b> , 25, 1163-1172	O
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457	Depdc5 deficiency exacerbates alcohol-induced hepatic steatosis via suppression of PPARH pathway. <b>2021</b> , 12, 710	2
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424	Divergent regulation of inflammatory cytokines by mTORC1 in THP-1-derived macrophages and intestinal epithelial Caco-2 cells. <b>2021</b> , 284, 119920	2

423	In-vitro antiviral action of Eupatorium perfoliatum against dengue virus infection: Modulation of mTOR signaling and autophagy. <b>2022</b> , 282, 114627	1
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421	The biology of nutrients: genetic and molecular principles. <b>2021</b> , 273-288	
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395	Nutritional signals rapidly activate oligodendrocyte differentiation in the adult hypothalamic median eminence.	2
394	Shared regulatory pathways reveal novel genetic correlations between grip strength and neuromuscular disorders.	1
393	mTORC1-Plin3 pathway is essential to activate lipophagy and protects against hepatosteatosis.	1
392	Rapalogs and mTOR inhibitors as anti-aging therapeutics. <b>2013</b> , 123, 980-9	348
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382	The INO80 chromatin remodeler sustains metabolic stability by promoting TOR signaling and regulating histone acetylation. <b>2018</b> , 14, e1007216	17
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364	Exogenous pyruvate facilitates cancer cell adaptation to hypoxia by serving as an oxygen surrogate. <b>2016</b> , 7, 47494-47510	15
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362	Epigenetic therapy potential of suberoylanilide hydroxamic acid on invasive human non-small cell lung cancer cells. <b>2016</b> , 7, 68768-68780	4
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358	Dual targeting of mitochondrial function and mTOR pathway as a therapeutic strategy for diffuse intrinsic pontine glioma. <b>2018</b> , 9, 7541-7556	21
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328	Opposing p53 and mTOR/AKT promote an in vivo switch from apoptosis to senescence upon telomere shortening in zebrafish. <b>2020</b> , 9,	13
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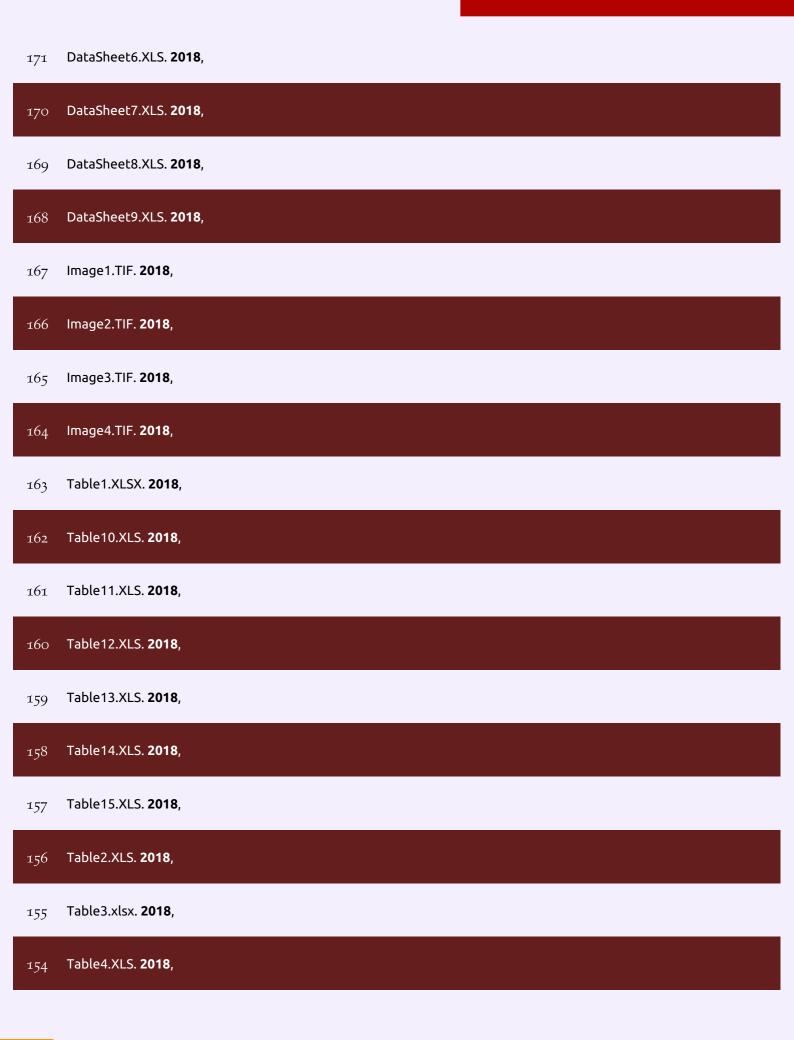
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