

Table S1 The publications identified during the literature search and the reason why it was rejected

Reason	Number	Sources	Title
Duplicated study	1	wos/pubmed	Ariga H. Common mechanisms of onset of cancer and neurodegenerative diseases. <i>Biological & pharmaceutical bulletin</i> . 2015;38(6):795-808.
Duplicated study	2	wos/pubmed	Ashley AK, Hanneman WH, Katoh T, et al. Analysis of targeted mutation in DJ-1 on cellular function in primary astrocytes. <i>Toxicology letters</i> . 2009;184(3):186-191.
Duplicated study	3	wos/pubmed	Aslam K, Tsai CJ, Hazbun TR. The small heat shock protein Hsp31 cooperates with Hsp104 to modulate Sup35 prion aggregation. <i>Prion</i> . 2016;10(6):444-465.
Duplicated study	4	wos/pubmed	Baumunk D, Reichelt U, Hildebrandt J, et al. Expression parameters of the metabolic pathway genes pyruvate dehydrogenase kinase-1 (PDK-1) and DJ-1/PARK7 in renal cell carcinoma (RCC). <i>World journal of urology</i> . 2013;31(5):1191-1196.
Duplicated study	5	CNKI/wf	Bincai Pan GX, Songli Zhao. et al. Expression of DJ-I and mTOR in recurrence of benign meningiomas. <i>International Journal of Pathology and Clinical Medicine</i> . 2014(02):129-134.
Duplicated study	6	wos/pubmed	Bindukumar B, Schwartz S, Aalinkeel R, Mahajan S, Lieberman A, Chadha K. Proteomic profiling of the effect of prostate-specific antigen on prostate cancer cells. <i>The Prostate</i> . 2008;68(14):1531-1545.
Duplicated study	7	wos/pubmed	Butler GS, Dean RA, Tam EM, Overall CM. Pharmacoproteomics of a metalloproteinase hydroxamate inhibitor in breast cancer cells: dynamics of membrane type 1 matrix metalloproteinase-mediated membrane protein shedding. <i>Molecular and cellular biology</i> . 2008;28(15):4896-4914.
Duplicated study	8	wos/pubmed	Cao J, Lou S, Ying M, Yang B. DJ-1 as a human oncogene and potential therapeutic target. <i>Biochemical pharmacology</i> . 2015;93(3):241-250.
Duplicated study	9	wos/pubmed	Cao J, Ying MD, Xie N, et al. The Oxidation States of DJ-1 Dictate the Cell Fate in Response to Oxidative Stress Triggered by 4-HPR: Autophagy or Apoptosis? <i>Antioxidants & redox signaling</i> . 2014;21(10):1443-1459.
Duplicated study	10	CNKI/wf	Cao Yin SX, Lijia Shen, et al. Detection of DJ-1 and PTEN in Oral Squamous Cell Carcinoma and Precancerous Lesions. <i>Journal of Dental Prevention & Treatment</i> . 2011(11):563-567.
Duplicated study	11	wos/pubmed	Chan A, Diamandis EP, Blasutig IM. Strategies for discovering novel pancreatic cancer biomarkers. <i>Journal of proteomics</i> . 2013;81:126-134.
Duplicated study	12	wos/pubmed	Chan JYH, Chan SHH. Activation of endogenous antioxidants as a common therapeutic strategy against cancer, neurodegeneration and cardiovascular diseases: A lesson learnt from DJ-1. <i>Pharmacology & therapeutics</i> . 2015;156:69-74.

Duplicated study	13	CNKI/wf	Chen Y. DJ-1, a novel biomarker and a selected target gene for overcoming chemoresistance in pancreatic cancer, zhejiang university; 2012.
Duplicated study	14	wos/pubmed	Chien CH, Lee MJ, Liou HC, Liou HH, Fu WM. Growth hormone is increased in the lungs and enhances experimental lung metastasis of melanoma in DJ-1 KO mice. BMC cancer. 2016;16(1):871.
Duplicated study	15	wos/pubmed	Chien CH, Lee MJ, Liou HC, Liou HH, Fu WM. Local Immunosuppressive Microenvironment Enhances Migration of Melanoma Cells to Lungs in DJ-1 Knockout Mice. PloS one. 2015;10(2).
Duplicated study	16	wos/pubmed	Choi SK, Hong YO, Lee WM, et al. Overexpression of PI3K-p110alpha in the progression of uterine cervical neoplasia and its correlation with pAkt and DJ-1. European journal of gynaecological oncology. 2015;36(4):389-393.
Duplicated study	17	CNKI/wf	Dan Yu YL, Xiu Nie. Research progress of cancer gene PARK7/DJ-1 in tumor. Journal of Medical Research. 2016(05):6-9.
Duplicated study	18	wos/pubmed	Das F, Dey N, Venkatesan B, Kasinath BS, Ghosh-Choudhury N, Choudhury GG. High glucose upregulation of early-onset Parkinson's disease protein DJ-1 integrates the PRAS40/TORC1 axis to mesangial cell hypertrophy. Cellular signalling. 2011;23(8):1311-1319.
Duplicated study	19	wos/pubmed	Davidson B, Hadar R, Schlossberg A, et al. Expression and clinical role of DJ-1, a negative regulator of PTEN, in ovarian carcinoma. Hum Pathol. 2008;39(1):87-95.
Duplicated study	20	CNKI/wf	Deng W. Effect of DJ-1 on Proliferation, Apoptosis and Invasion of Ovarian Cancer SKOV3 Cells [Master], Nanchang University; 2015.
Duplicated study	21	CNKI/wf	Deqing Fan HD, Ling Wang. Correlation between DJ-1 and PTEN expressions and clinical pathology of elderly patients with local advanced triple-negative breast cancer. Chinese Journal of Woman and Child Health Research. 2017(09):1130-1132.
Duplicated study	22	wos/pubmed	Duan X, Kelsen SG, Merali S. Proteomic analysis of oxidative stress-responsive proteins in human pneumocytes: insight into the regulation of DJ-1 expression. Journal of proteome research. 2008;7(11):4955-4961.
Duplicated study	23	CNKI/wf	Fang Mao. Jie Long HW, et al. Influence of RNA Interference Induced Silencing of DJ-1 Gene on Migration and Invasion Potential in Triple-Negative Breast Cancer Cells. Progress in Modern Biomedicine. 2014(07):1239-1242.
Duplicated study	24	wos/pubmed	Fu K, Ren H, Wang Y, Fei E, Wang H, Wang G. DJ-1 inhibits TRAIL-induced apoptosis by blocking pro-caspase-8 recruitment to FADD. Oncogene. 2012;31(10):1311-1322.
Duplicated study	25	CNKI/wf	Fu K. Parkinson's disease and cancer-associated protein DJ-1 inhibit TRAIL apoptosis signaling pathway. 2011.

Duplicated study	26	wos/pubmed	Gao X, Ning Y. CANCER AND PARKINSON'S DISEASE: THE ODD COUPLE. <i>Drugs of Today</i> . 2011;47(3):215-222.
Duplicated study	27	wos/pubmed	Giusti L, Iacconi P, Ciregia F, et al. Fine-needle aspiration of thyroid nodules: Proteomic analysis to identify cancer biomarkers. <i>Journal of proteome research</i> . 2008;7(9):4079-4088.
Duplicated study	28	wos/pubmed	Grzmil M, Voigt S, Thelen P, Hemmerlein B, Helmke K, Burfeind P. Up-regulated expression of the MAT-8 gene in prostate cancer and its siRNA-mediated inhibition of expression induces a decrease in proliferation of human prostate carcinoma cells. <i>International journal of oncology</i> . 2004;24(1):97-105.
Duplicated study	29	CNKI/wf	Guanying Xiao SZ, Zhanmin Su, et al. The relationship between expressions of DJ-1 and PTEN in benign meningiomas relapse and evolution. <i>China Medical Engineering</i> . 2015(09):12-13+15.
Duplicated study	30	wos/pubmed	Han BB, Wang JW, Gao J, et al. DJ-1 as a potential biomarker for the early diagnosis in lung cancer patients. <i>Tumor Biology</i> . 2017;39(6):1-7.
Duplicated study	31	CNKI/wf	Hao Yan WL, Jianjun Xu, et al. Protective effects of DJ-1 via antagonizing ROS-induced Beclin-1 up-regulation in hypoxia-reoxygenated HL-1 cardiomyocytes. <i>Basic & Clinical Medicine</i> . 2013(06):763-768.
Duplicated study	32	CNKI/wf	Huang Y. Construction of Eukaryotic Expression Vector for DJ-1-shRNA and Its Effect on Transfected SGC7901 Gastric Cancer Cell Line DJ-1 [Master], Nanchang university; 2013.
Duplicated study	33	wos/pubmed	He XY, Zheng Z, Li JF, et al. DJ-1 promotes invasion and metastasis of pancreatic cancer cells by activating SRC/ERK/uPA. <i>Carcinogenesis</i> . 2012;33(3):555-562.
Duplicated study	34	wos/pubmed	Hinkle DA, Mullett SJ, Gabris BE, Hamilton RL. DJ-1 expression in glioblastomas shows positive correlation with p53 expression and negative correlation with epidermal growth factor receptor amplification. <i>Neuropathology : official journal of the Japanese Society of Neuropathology</i> . 2011;31(1):29-37.
Duplicated study	35	wos/pubmed	Hod Y. Differential control of apoptogis by DJ-1 in prostate benign and cancer cells. <i>Journal of cellular biochemistry</i> . 2004;92(6):1221-1233.
Duplicated study	36	wos/pubmed	Huai Q, Sun Y, Wang H, et al. Crystal structure of DJ-1/RS and implication on familial Parkinson's disease. <i>FEBS letters</i> . 2003;549(1-3):171-175.
Duplicated study	37	wos/pubmed	Hudson TS, Hartle DK, Hursting SD, et al. Inhibition of prostate cancer growth by muscadine grape skin extract and resveratrol through distinct mechanisms. <i>Cancer research</i> . 2007;67(17):8396-8405.

Duplicated study	38	wos/pubmed	Inzelberg R, Jankovic J. Are Parkinson disease patients protected from some but not all cancers? <i>Neurology</i> . 2007;69(15):1542-1550.
Duplicated study	39	wos/pubmed	Ismail IA, Kang HS, Lee HJ, Kim JK, Hong SH. DJ-1 upregulates breast cancer cell invasion by repressing KLF17 expression. <i>British journal of cancer</i> . 2014;110(5):1298-1306.
Duplicated study	40	wos/pubmed	Ismail IA, Kang HS, Lee HJ, Kwon BM, Hong SH. 2'-Benzoyloxycinnamaldehyde-mediated DJ-1 upregulation protects MCF-7 cells from mitochondrial damage. <i>Biological & pharmaceutical bulletin</i> . 2012;35(6):895-902.
Duplicated study	41	CNKI/wf	Jie He WW, Qianjin Liao, et al. The Signal Transduction-Associated Protein in HL-60 Cell Induced by DADS. <i>JOURNAL OF NANHUA UNIVERSITY(MEDICAL EDITION)</i> . 2007(4):477-480.
Duplicated study	42	CNKI/wf	Jin Z. Investigate expression effect and its significance of oncogene DJ-1 in thyroid carcinoma. <i>World Latest Medicine Information</i> . 2015(32):11-12.
Duplicated study	43	CNKI/wf	Jing Chen HW, Hui Cheng, et al. The value of combined detection of tumor markers DJ-1, NSE, CYFRA21-1 and CEA in diagnosis of lung cancer. <i>International Journal of Laboratory Medicine</i> . 2013(6):651-652,655.
Duplicated study	44	CNKI/wf	Jinjin Yan KS, Qizhou Zhu. The correlation between DJ-1 and tumor. <i>GUANGDONG MEDICAL JOURNAL</i> . 2011(23):3147-3149.
Duplicated study	45	CNKI/wf	Jinzhang Chen WH, Dayong Zheng, et al. The Role of DJ-1 Gene in the Development of Lung Cancer. <i>The Practical Journal of Cancer</i> . 2015(3):317-319.
Duplicated study	46	CNKI/wf	Juan wang YY, Jin Qin, et al. Diallyl Disulfide down regulated DJ-1 inhibiting ability of proliferation and inducing human leukemic cell differentiation. <i>Chinese Pharmacological Bulletin</i> . 2015(03):416-420.
Duplicated study	47	wos/pubmed	Junn E, Jang WH, Zhao X, Jeong BS, Mouradian MM. Mitochondrial localization of DJ-1 leads to enhanced neuroprotection. <i>Journal of neuroscience research</i> . 2009;87(1):123-129.
Duplicated study	48	wos/pubmed	Kahle PJ, Waak J, Gasser T. DJ-1 and prevention of oxidative stress in Parkinson's disease and other age-related disorders. <i>Free radical biology & medicine</i> . 2009;47(10):1354-1361.
Duplicated study	49	wos/pubmed	Kapoor S. DJ-1 and its emerging role as a biomarker of systemic malignancies besides lung carcinomas. <i>Molecular biology reports</i> . 2013;40(2):1529-1529.
Duplicated study	50	wos/pubmed	Kawate T, Iwaya K, Koshikawa K, et al. High levels of DJ-1 protein and isoelectric point 6.3 isoform in sera of breast cancer patients. <i>Cancer Sci</i> . 2015;106(7):938-943.

Duplicated study	51	wos/pubmed	Kawate T. DJ-1 as a predictor of pathologic complete remission of neoadjuvant chemotherapy with breast cancer patients. <i>Journal of Clinical Oncology</i> . 2012;30(15).
Duplicated study	52	wos/pubmed	Kim DK, Beaven MA, Kulinski JM, et al. Regulation of Reactive Oxygen Species and the Antioxidant Protein DJ-1 in Mastocytosis. <i>PLoS one</i> . 2016;11(9).
Duplicated study	53	wos/pubmed	Kim RH, Mak TW. Tumours and tremors: how PTEN regulation underlies both. <i>British journal of cancer</i> . 2006;94(5):620-624.
Duplicated study	54	wos/pubmed	Kim RH, Peters M, Jang YJ, et al. DJ-1, a novel regulator of the tumor suppressor PTEN. <i>Cancer cell</i> . 2005;7(3):263-273.
Duplicated study	55	wos/pubmed	Kim YC, Kitaura H, Iguchi-Ariga SM, Ariga H. DJ-1, an oncogene and causative gene for familial Parkinson's disease, is essential for SV40 transformation in mouse fibroblasts through up-regulation of c-Myc. <i>FEBS letters</i> . 2010;584(18):3891-3895.
Duplicated study	56	wos/pubmed	Kim YC, Kitaura H, Taira T, Iguchi-Ariga SM, Ariga H. Oxidation of DJ-1-dependent cell transformation through direct binding of DJ-1 to PTEN. <i>International journal of oncology</i> . 2009;35(6):1331-1341.
Duplicated study	57	wos/pubmed	Knobbe CB, Revett TJ, Bai Y, et al. Choice of biological source material supersedes oxidative stress in its influence on DJ-1 in vivo interactions with Hsp90. <i>Journal of proteome research</i> . 2011;10(10):4388-4404.
Duplicated study	58	wos/pubmed	Kolisek M, Montezano AC, Sponder G, et al. PARK7/DJ-1 dysregulation by oxidative stress leads to magnesium deficiency: implications in degenerative and chronic diseases. <i>Clinical Science</i> . 2015;129(12):1143-1150.
Duplicated study	59	wos/pubmed	Lei Y, Huang K, Gao C, et al. Proteomics identification of ITGB3 as a key regulator in reactive oxygen species-induced migration and invasion of colorectal cancer cells. <i>Molecular & cellular proteomics : MCP</i> . 2011;10(10):M110.005397.
Duplicated study	60	CNKI/wf	Li Sen LW. The correlation of DJ-1 and HSP27 expression and clinicopathological features in triple negative breast cancer. <i>Journal of Modern Oncology</i> . 2013;21(06):1231-1234.
Duplicated study	61	wos/pubmed	Li Y, Cui J, Zhang CH, et al. High-expression of DJ-1 and loss of PTEN associated with tumor metastasis and correlated with poor prognosis of gastric carcinoma. <i>International journal of medical sciences</i> . 2013;10(12):1689-1697.
Duplicated study	62	CNKI/wf	Lisi You BY, Xiaoyan Chen. Expression of DJ-1 in pancreatic cancer and its clinical significance. <i>Oncology Progress</i> . 2017(2):152-155.
Duplicated study	63	wos/pubmed	Liu H, Wang M, Li M, et al. Expression and role of DJ-1 in leukemia. <i>Biochemical and biophysical research communications</i> . 2008;375(3):477-483.

Duplicated study	64	wos/pubmed	Liu S, Yang Z, Wei H, et al. Increased DJ-1 and its prognostic significance in hepatocellular carcinoma. <i>Hepato-gastroenterology</i> . 2010;57(102-103):1247-1256.
Duplicated study	65	CNKI/wf	Liu S. The Role and Mechanism of Oncogene DJ-1 in Human Hepatocellular Carcinoma. 2011.
Duplicated study	66	CNKI/wf	Mao Fang JL, Hongyan Wang,Zeping Weng. DJ-1 inhibits PTEN expression and increases AR in metastasis of non-hormone-dependent breast cancer. <i>China Journal of Modern Medicine</i> . 2014(14):32-37.
Duplicated study	67	wos/pubmed	McNally RS, Davis BK, Clements CM, Accavitti-Loper MA, Mak TW, Ting JPY. DJ-1 Enhances Cell Survival through the Binding of Cezanne, a Negative Regulator of NF-kappa B. <i>Journal of Biological Chemistry</i> . 2011;286(6):4098-4106.
Duplicated study	68	wos/pubmed	Melle C, Ernst G, Escher N, et al. Protein profiling of microdissected pancreas carcinoma and identification of HSP27 as a potential serum marker. <i>Clinical chemistry</i> . 2007;53(4):629-635.
Duplicated study	69	wos/pubmed	Merikallio H, Paakko P, Kinnula VL, Harju T, Soini Y. Nuclear factor erythroid-derived 2-like 2 (Nrf2) and DJ1 are prognostic factors in lung cancer. <i>Hum Pathol</i> . 2012;43(4):577-584.
Duplicated study	70	CNKI/wf	Min Song ML, Chengping Hu, et al. Inhibitory Effect of RNA Interference DJ-1 Gene on Lung Adenocarcinoma A549 Cells 2011; wuhan.
Duplicated study	71	wos/pubmed	Morelli M, Scumaci D, Di Cello A, et al. DJ-1 in Endometrial Cancer A Possible Biomarker to Improve Differential Diagnosis Between Subtypes. <i>International Journal of Gynecological Cancer</i> . 2014;24(4):649-658.
Duplicated study	72	wos/pubmed	Niki T, Takahashi-Niki K, Taira T, Iguchi-Ariga SM, Ariga H. DJBP: a novel DJ-1-binding protein, negatively regulates the androgen receptor by recruiting histone deacetylase complex, and DJ-1 antagonizes this inhibition by abrogation of this complex. <i>Molecular cancer research : MCR</i> . 2003;1(4):247-261.
Duplicated study	73	wos/pubmed	Pardo M, Garcia A, Thomas B, et al. The characterization of the invasion phenotype of uveal melanoma tumour cells shows the presence of MUC18 and HMG-1 metastasis markers and leads to the identification of DJ-1 as a potential serum biomarker. <i>International journal of cancer</i> . 2006;119(5):1014-1022.
Duplicated study	74	wos/pubmed	Pei XJ, Wu TT, Li B, Tian XY, Li Z, Yang QX. Increased expression of macrophage migration inhibitory factor and DJ-1 contribute to cell invasion and metastasis of nasopharyngeal carcinoma. <i>International journal of medical sciences</i> . 2014;11(1):106-115.
Duplicated study	75	wos/pubmed	Pitkanen-Arsiola T, Tillman JE, Gu G, et al. Androgen and anti-androgen treatment modulates androgen receptor activity and DJ-1 stability. <i>The Prostate</i> . 2006;66(11):1177-1193.

Duplicated study	76	wos/pubmed	Qiu B, Wang J, Yu Y, et al. DJ-1 promotes development of DEN-induced hepatocellular carcinoma and proliferation of liver cancer cells. <i>Oncotarget</i> . 2017;8(5):8499-8511.
Duplicated study	77	CNKI/wf	Ran Liu WW, Hui Tan. A review of DJ-1 antioxidant effects in Parkinson's disease and tumors. <i>Journal of Clinical and Pathology</i> . 2016(03):314-321.
Duplicated study	78	CNKI/wf	Ren H. Study on the Function of Parkinson's Disease and Cancer Related Protein DJ-1 in Autophagy and Mitochondria. 2010.
Duplicated study	79	wos/pubmed	Richarme G, Marguet E, Forterre P, Ishino S, Ishino Y. DJ-1 family Maillard deglycases prevent acrylamide formation. <i>Biochemical and biophysical research communications</i> . 2016;478(3):1111-1116.
Duplicated study	80	wos/pubmed	Robert G, Puissant A, Dufies M, et al. The caspase 6 derived N-terminal fragment of DJ-1 promotes apoptosis via increased ROS production. <i>Cell death and differentiation</i> . 2012;19(11):1769-1778.
Duplicated study	81	wos/pubmed	Saidu NE, Noe G, Cerles O, et al. Dimethyl Fumarate Controls the NRF2/DJ-1 Axis in Cancer Cells: Therapeutic Applications. <i>Molecular cancer therapeutics</i> . 2017;16(3):529-539.
Duplicated study	82	wos/pubmed	Sajjad MU, Green EW, Miller-Fleming L, et al. DJ-1 modulates aggregation and pathogenesis in models of Huntington's disease. <i>Human molecular genetics</i> . 2014;23(3):755-766.
Duplicated study	83	wos/pubmed	Schumann C, Taratula O, Khalimonchuk O, et al. ROS-induced nanotherapeutic approach for ovarian cancer treatment based on the combinatorial effect of photodynamic therapy and DJ-1 gene suppression. <i>Nanomedicine : nanotechnology, biology, and medicine</i> . 2015;11(8):1961-1970.
Duplicated study	84	wos/pubmed	Sekito A, Taira T, Niki T, Iguchi-Arigo SM, Arigo H. Stimulation of transforming activity of DJ-1 by Abstrakt, a DJ-1-binding protein. <i>International journal of oncology</i> . 2005;26(3):685-689.
Duplicated study	85	wos/pubmed	Shen Z, Jiang Z, Ye D, Xiao B, Zhang X, Guo J. Growth inhibitory effects of DJ-1-small interfering RNA on laryngeal carcinoma Hep-2 cells. <i>Medical oncology (Northwood, London, England)</i> . 2011;28(2):601-607.
Duplicated study	86	wos/pubmed	Tillman JE, Yuan J, Gu G, et al. DJ-1 binds androgen receptor directly and mediates its activity in hormonally treated prostate cancer cells. <i>Cancer research</i> . 2007;67(10):4630-4637.
Duplicated study	87	wos/pubmed	Trivedi R, Dihazi GH, Eltoweissy M, Mishra DP, Mueller GA, Dihazi H. The antioxidant protein PARK7 plays an important role in cell resistance to Cisplatin-induced apoptosis in case of clear cell renal cell carcinoma. <i>European journal of pharmacology</i> . 2016;784:99-110.
Duplicated study	88	wos/pubmed	Tsiaousidou A, Lambropoulou M, Chatzitheoklitos E, et al. B7H4, HSP27 and DJ-1 molecular markers as prognostic factors in pancreatic cancer. <i>Pancreatology : official journal of the International Association of Pancreatology (IAP) [et al]</i> . 2013;13(6):564-569.

Duplicated study	89	wos/pubmed	van der Brug MP, Blackinton J, Chandran J, et al. RNA binding activity of the recessive parkinsonism protein DJ-1 supports involvement in multiple cellular pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> . 2008;105(29):10244-10249.
Duplicated study	90	wos/pubmed	Vasseur S, Afzal S, Tardivel-Lacombe J, Park DS, Iovanna JL, Mak TW. DJ-1/PARK7 is an important mediator of hypoxia-induced cellular responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> . 2009;106(4):1111-1116.
Duplicated study	91	wos/pubmed	Wang B, Qin H, Wang Y, et al. Effect of DJ-1 overexpression on the proliferation, apoptosis, invasion and migration of laryngeal squamous cell carcinoma SNU-46 cells through PI3K/AKT/mTOR. <i>Oncology reports</i> . 2014;32(3):1108-1116.
Duplicated study	92	wos/pubmed	Wang H, Gao WW. DJ-1 Expression in Cervical Carcinoma and its Effects on Cell Viability and Apoptosis. <i>Medical Science Monitor</i> . 2016;22.
Duplicated study	93	CNKI/wf	Wang J. Role of DJ-1 gene in tumors. <i>Journal of International Pathology and Clinical Medicine</i> . 2011(6):527-530.
Duplicated study	94	CNKI/wf	Xiaoqing Lai ZL, Fan Zhang. Expression of DJ-1 and HSP27 Proteins in Epithelial Ovarian Cancer and Their Correlation with Tumor Invasion and Metastasis. <i>Modern diagnosis and treatment</i> . 2016(07):1314-1315.
Duplicated study	95	wos/pubmed	Xu S, Ma D, Zhuang R, et al. DJ-1 Is Upregulated in Oral Squamous Cell Carcinoma and Promotes Oral Cancer Cell Proliferation and Invasion. <i>Journal of Cancer</i> . 2016;7(8):1020-1028.
Duplicated study	96	CNKI/wf	Xu Y. The Expression and Role of Oncogene DJ-1 in Gastric Cancer Stem Cells. 2015.
Duplicated study	97	CNKI/wf	Xueping Feng ZC, Zhiqiang Xiao, et al Over Expression of NM23-H1、 DJ1 and TIM1 in Poor Differential Nasopharyngeal Carcinoma Tissues and CNE2 Cell Line. <i>PROGRESS IN BIOCHEMISTRY AND BIOPHYSICS</i> . 2005(4):338-346.
Duplicated study	98	wos/pubmed	Yamane T, Yamamoto Y, Nakano Y, Nakagaki T, Ohkubo I, Ariga H. Expression and protease activity of mouse legumain are regulated by the oncogene/transcription co-activator, DJ-1 through p53 and cleavage of annexin A2 is increased in DJ-1-knockout cells. <i>Biochemical and biophysical research communications</i> . 2015;467(3):472-477.
Duplicated study	99	CNKI/wf	Yang LX ZL, Zhang TB. The clinical significance of DJ-1 over expression in pancreatic neuroendocrine neoplasms. <i>CHINA ONCOLOGY</i> 2015(02):112-118.
Duplicated study	100	wos/pubmed	Zhang D, Lim SG, Koay ES. Proteomic identification of down-regulation of oncoprotein DJ-1 and proteasome activator subunit 1 in hepatitis B virus-infected well-differentiated hepatocellular carcinoma. <i>International journal of oncology</i> . 2007;31(3):577-584.
Duplicated study	101	wos/pubmed	Zhang HJ, Siu MK, Jiang LL, Mak VC, Ngan HY, Cheung AN. Overexpression of the Parkinson disease protein DJ-1 and its regulator PTEN in

study			gestational trophoblastic disease. International journal of gynecological pathology : official journal of the International Society of Gynecological Pathologists. 2010;29(5):468-475.
Duplicated study	102	CNKI/wf	Zhisen Shen HD, Dong Ye, et al. Effect of DJ-1 silencing by RNA interference on growth of xenografted human laryngeal squamous cell carcinoma Hep-2 cells in nude mice. Journal of Zhejiang University (Medical Science). 2016(4):349-355.
Duplicated study	103	CNKI/wf	Zhiying Zeng JZ, Qunfeng Zhang, et al. Elevated serum level of D J-1 in malignant ovarian tumor and its clinical significance. Progress in Obstetrics and Gynecology. 2016(6):429-432,436.
Duplicated study	104	CNKI/wf	Zhou B. Clinical Pathological Features and Prognostic Analysis of Pancreatic Neuroendocrine Tumors, zhejiang university; 2016.
Duplicated study	105	wos/pubmed	Zhu H, Liao SD, Shi JJ, et al. DJ-1 mediates the resistance of cancer cells to dihydroartemisinin through reactive oxygen species removal. Free radical biology & medicine. 2014;71:121-132.
Duplicated study	106	wos/pubmed	Zhu XL, Sun W, Lei WB, Zhuang HW, Hou WJ, Wen WP. DJ-1-induced phosphatase and tensin homologue downregulation is associated with proliferative and invasive activity of laryngeal cancer cells. Molecular medicine reports. 2015;12(2):2003-2008.
Duplicated study	107	wos/pubmed	Zhu XL, Wang ZF, Lei WB, Zhuang HW, Jiang HY, Wen WP. DJ-1: a novel independent prognostic marker for survival in glottic squamous cell carcinoma. Cancer Sci. 2010;101(5):1320-1325.
Duplicated study	108	wos/pubmed	Zhu ZM, Li ZR, Huang Y, et al. DJ-1 is involved in the peritoneal metastasis of gastric cancer through activation of the Akt signaling pathway. Oncology reports. 2014;31(3):1489-1497.
Duplicated study	109	wos/pubmed	Zong MJ, Jia L, Li L. Expression of novel tumor markers of pancreatic adenocarcinomas in intrahepatic cholangiocarcinomas. OncoTargets and therapy. 2013;6:19-23.
Unrelated study	1		Alberio T, Colapinto M, Natale M, et al. Changes in the two-dimensional electrophoresis pattern of the Parkinson's disease related protein DJ-1 in human SH-SY5Y neuroblastoma cells after dopamine treatment. IUBMB life. 2010;62(9):688-692.
Unrelated study	2		Wen Luo LD, Qi Su. The Abnormal Expression of DJ-1 in the progress of Tumor Research MEDICAL SCIENCE JOURNAL OF CENTRAL SOUTH CHINA. 2013(1):83-88.
Unrelated study	3		Alvarez-Chaver P, Rodriguez-Pineiro AM, Rodriguez-Berrocal FJ, Garcia-Lorenzo A, Paez de la Cadena M, Martinez-Zorzano VS. Selection of putative colorectal cancer markers by applying PCA on the soluble proteome of tumors: NDK A as a promising candidate. Journal of proteomics. 2011;74(6):874-886.

Unrelated study	4	Alves da Costa C, Checler F. Apoptosis in Parkinson's disease: is p53 the missing link between genetic and sporadic Parkinsonism? Cellular signalling. 2011;23(6):963-968.
Unrelated study	5	Amatullah H, Shan Y, Beauchamp BL, et al. DJ-1/PARK7 Impairs Bacterial Clearance in Sepsis. American journal of respiratory and critical care medicine. 2017;195(7):889-905.
Unrelated study	6	Ariga H. Common Mechanisms of Onset of Cancer and Neurodegenerative Diseases. Biological & pharmaceutical bulletin. 2015;38(6):795-808.
Unrelated study	7	Ashley AK, Hanneman WH, Katoh T, et al. Analysis of targeted mutation in DJ-1 on cellular function in primary astrocytes. Toxicology letters. 2009;184(3):186-191.
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Abbreviation: wos, Web of Science; CNKI, China National Knowledge Infrastructure; wf, Wanfang databases