In [1]: | from genefab import get_datasets, GLDS In [2]: ► datasets = get datasets(ptype="flight", organism="mus", factor="radiation", assay="transcript", maxcount=3 looking up ptype(s): "Spaceflight Study", "Spaceflight Project", "Spaceflight", "Flight Study", "Flight", looking up organism(s): "Mus musculus", looking up factor(s): "Absorbed Radiation Dose", "Ionizing Radiation", "Ionzing Radiation", "Irradiation", "post radiation timepoint", "Radiation", "Radiation Distance", "Radiation dosage", "radiation dose", "radiat ion type", "Radiation, Ionzing", looking up assav(s): "transcription profiling". Parsing url: https://genelab-data.ndc.nasa.gov/genelab/data/search/?term=GLDS&type=cgene&size=3&ffield=Proj ect+Type&fvalue=Spaceflight+Study&ffield=Project+Type&fvalue=Spaceflight+Project&ffield=Project+Type&fvalue= Spaceflight&ffield=Project+Type&fvalue=Flight+Study&ffield=Project+Type&fvalue=Flight&ffield=organism&fvalue =Mus+musculus&ffield=Study+Factor+Name&fvalue=Absorbed+Radiation+Dose&ffield=Study+Factor+Name&fvalue=Ionizi ng+Radiation&ffield=Study+Factor+Name&fvalue=Ionzing+Radiation&ffield=Study+Factor+Name&fvalue=Irradiation&f field=Study+Factor+Name&fvalue=post+radiation+timepoint&ffield=Study+Factor+Name&fvalue=Radiation&ffield=Study dy+Factor+Name&fvalue=Radiation+Distance&ffield=Study+Factor+Name&fvalue=Radiation+dosage&ffield=Study+Facto r+Name&fvalue=radiation+dose&ffield=Study+Factor+Name&fvalue=radiation+type&ffield=Study+Factor+Name&fvalue= Radiation%2C+Ionzing&ffield=Study+Assay+Measurement+Type&fvalue=transcription+profiling (https://genelab-dat a.ndc.nasa.gov/genelab/data/search/?term=GLDS&type=cgene&size=3&ffield=Project+Type&fvalue=Spaceflight+Studv &ffield=Project+Type&fvalue=Spaceflight+Project&ffield=Project+Type&fvalue=Spaceflight&ffield=Project+Type&f value=Flight+Study&ffield=Project+Type&fvalue=Flight&ffield=organism&fvalue=Mus+musculus&ffield=Study+Factor +Name&fvalue=Absorbed+Radiation+Dose&ffield=Study+Factor+Name&fvalue=Ionizing+Radiation&ffield=Study+Factor+ Name&fvalue=Ionzing+Radiation&ffield=Study+Factor+Name&fvalue=Irradiation&ffield=Study+Factor+Name&fvalue=po st+radiation+timepoint&ffield=Study+Factor+Name&fvalue=Radiation&ffield=Study+Factor+Name&fvalue=Radiation+D istance&ffield=Study+Factor+Name&fvalue=Radiation+dosage&ffield=Study+Factor+Name&fvalue=radiation+dose&ffie ld=Study+Factor+Name&fvalue=radiation+type&ffield=Study+Factor+Name&fvalue=Radiation%2C+Ionzing&ffield=Study +Assay+Measurement+Type&fvalue=transcription+profiling) Parsing url: https://genelab-data.ndc.nasa.gov/genelab/data/study/data/GLDS-87/ (https://genelab-data.ndc.n asa.gov/genelab/data/studv/data/GLDS-87/) Parsing url: https://genelab-data.ndc.nasa.gov/genelab/data/glds/files/87 (https://genelab-data.ndc.nasa.go v/genelab/data/glds/files/87) Parsing url: https://genelab-data.ndc.nasa.gov/genelab/data/study/data/GLDS-173/ (https://genelab-data.ndc. nasa.gov/genelab/data/study/data/GLDS-173/) Parsing url: https://genelab-data.ndc.nasa.gov/genelab/data/glds/files/173 (https://genelab-data.ndc.nasa.g ov/genelab/data/glds/files/173) Parsing url: https://genelab-data.ndc.nasa.gov/genelab/data/study/data/GLDS-25/ (https://genelab-data.ndc.n asa.gov/genelab/data/study/data/GLDS-25/) Parsing url: https://genelab-data.ndc.nasa.gov/genelab/data/glds/files/25 (https://genelab-data.ndc.nasa.go v/genelab/data/glds/files/25)

Out[6]: 2

Out[7]:

	Comment: Data Analysis Report 1	Protocol REF	Hybridization Assay Name	Array Data File	Protocol REF	Comment: Data Analysis Report 2	Comment: Derived Array Data File 2	Comment: Array Data File 2	Comment: Group Name	Protocol REF	Extract Name	Protocol : REF
0	*PCR Array Analysis PAMM- 013.pdf	normalization data transformation	Mouse Extracellular Matrix and Adhesion Molecu	*PCR Array Analysis PAMM- 013.csv	RNA extraction	*PCR Array Analysis PAMM- 065.pdf	*PCR Array Analysis PAMM- 065_derived.csv	*PCR Array Analysis PAMM- 065.csv	Control Group	nucleic acid hybridization	A32 Extract	data collection
1	*PCR Array Analysis PAMM- 013.pdf	normalization data transformation	Mouse Extracellular Matrix and Adhesion Molecu	*PCR Array Analysis PAMM- 013.csv	RNA extraction	*PCR Array Analysis PAMM- 065.pdf	*PCR Array Analysis PAMM- 065_derived.csv	*PCR Array Analysis PAMM- 065.csv	Control Group	nucleic acid hybridization	A34 Extract	data collection
2	*PCR Array Analysis PAMM- 013.pdf	normalization data transformation	Mouse Extracellular Matrix and Adhesion Molecu	*PCR Array Analysis PAMM- 013.csv	RNA extraction	*PCR Array Analysis PAMM- 065.pdf	*PCR Array Analysis PAMM- 065_derived.csv	*PCR Array Analysis PAMM- 065.csv	Control Group	nucleic acid hybridization	A36 Extract	data collection
3	*PCR Array Analysis PAMM- 013.pdf	normalization data transformation	Mouse Extracellular Matrix and Adhesion Molecu	*PCR Array Analysis PAMM- 013.csv	RNA extraction	*PCR Array Analysis PAMM- 065.pdf	*PCR Array Analysis PAMM- 065_derived.csv	*PCR Array Analysis PAMM- 065.csv	Control Group	nucleic acid hybridization	A38 Extract	data collection
4	*PCR Array Analysis PAMM- 013.pdf	normalization data transformation	Mouse Extracellular Matrix and Adhesion Molecu	*PCR Array Analysis PAMM- 013.csv	RNA extraction	*PCR Array Analysis PAMM- 065.pdf	*PCR Array Analysis PAMM- 065_derived.csv	*PCR Array Analysis PAMM- 065.csv	Control Group	nucleic acid hybridization	A40 Extract	data collection
5	*PCR Array Analysis PAMM- 013.pdf	normalization data transformation	Mouse Extracellular Matrix and Adhesion Molecu	*PCR Array Analysis PAMM- 013.csv	RNA extraction	*PCR Array Analysis PAMM- 065.pdf	*PCR Array Analysis PAMM- 065_derived.csv	*PCR Array Analysis PAMM- 065.csv	Control Group	nucleic acid hybridization	A42 Extract	data collection
6	*PCR Array Analysis PAMM- 013.pdf	normalization data transformation	Mouse Extracellular Matrix and Adhesion Molecu	*PCR Array Analysis PAMM- 013.csv	RNA extraction	*PCR Array Analysis PAMM- 065.pdf	*PCR Array Analysis PAMM- 065_derived.csv	*PCR Array Analysis PAMM- 065.csv	Group 1	nucleic acid hybridization	F52 Extract	data collection
7	*PCR Array Analysis PAMM- 013.pdf	normalization data transformation	Mouse Extracellular Matrix and Adhesion Molecu	*PCR Array Analysis PAMM- 013.csv	RNA extraction	*PCR Array Analysis PAMM- 065.pdf	*PCR Array Analysis PAMM- 065_derived.csv	*PCR Array Analysis PAMM- 065.csv	Group 1	nucleic acid hybridization	F54 Extract	data collection

	Comment: Data Analysis Report 1	Protocol REF	Hybridization Assay Name	Array Data File	Protocol REF	Comment: Data Analysis Report 2	Comment: Derived Array Data File 2	Comment: Array Data File 2	Comment: Group Name	Protocol REF	Extract Name	Protocol REF	:
_	*PCR Array 8 Analysis PAMM- 013.pdf	normalization data transformation	Mouse Extracellular Matrix and Adhesion Molecu	*PCR Array Analysis PAMM- 013.csv	RNA extraction	*PCR Array Analysis PAMM- 065.pdf	*PCR Array Analysis PAMM- 065_derived.csv	*PCR Array Analysis PAMM- 065.csv	Group 1	nucleic acid hybridization	F60 Extract	data collection	_
	*PCR Array 9 Analysis PAMM- 013.pdf	normalization data transformation	Mouse Extracellular Matrix and Adhesion Molecu	*PCR Array Analysis PAMM- 013.csv	RNA extraction	*PCR Array Analysis PAMM- 065.pdf	*PCR Array Analysis PAMM- 065_derived.csv	*PCR Array Analysis PAMM- 065.csv	Group 1	nucleic acid hybridization	F64 Extract	data collection	
1	*PCR Array 0 Analysis PAMM- 013.pdf	normalization data transformation	Mouse Extracellular Matrix and Adhesion Molecu	*PCR Array Analysis PAMM- 013.csv	RNA extraction	*PCR Array Analysis PAMM- 065.pdf	*PCR Array Analysis PAMM- 065_derived.csv	*PCR Array Analysis PAMM- 065.csv	Group 1	nucleic acid hybridization	F66 Extract	data collection	
1	*PCR Array 1 Analysis PAMM- 013.pdf	normalization data transformation	Mouse Extracellular Matrix and Adhesion Molecu	*PCR Array Analysis PAMM- 013.csv	RNA extraction	*PCR Array Analysis PAMM- 065.pdf	*PCR Array Analysis PAMM- 065_derived.csv	*PCR Array Analysis PAMM- 065.csv	Group 1	nucleic acid hybridization	F74 Extract	data collection	
4												•	•

In [8]: M assay.get_file_url("*PCR Array Analysis PAMM-013.csv")

Out[8]: 'https://genelab-data.ndc.nasa.gov/datamanager/file/Home/Public/genelab/GLDS-116/microarray/GLDS-116_microarray_PCR Array Analysis PAMM-013.csv'