

Table: GSEA Results Summary

Dataset	genes_ranked_collapsed
Phenotype	NoPhenotypeAvailable
Upregulated in class	na_pos
GeneSet	WP_ALZHEIMERS_DISEASE
Enrichment Score (ES)	0.5116867
Normalized Enrichment Score (NES)	1.2228513
Nominal p-value	0.1409869
FDR q-value	0.7512416
FWER p-Value	0.998

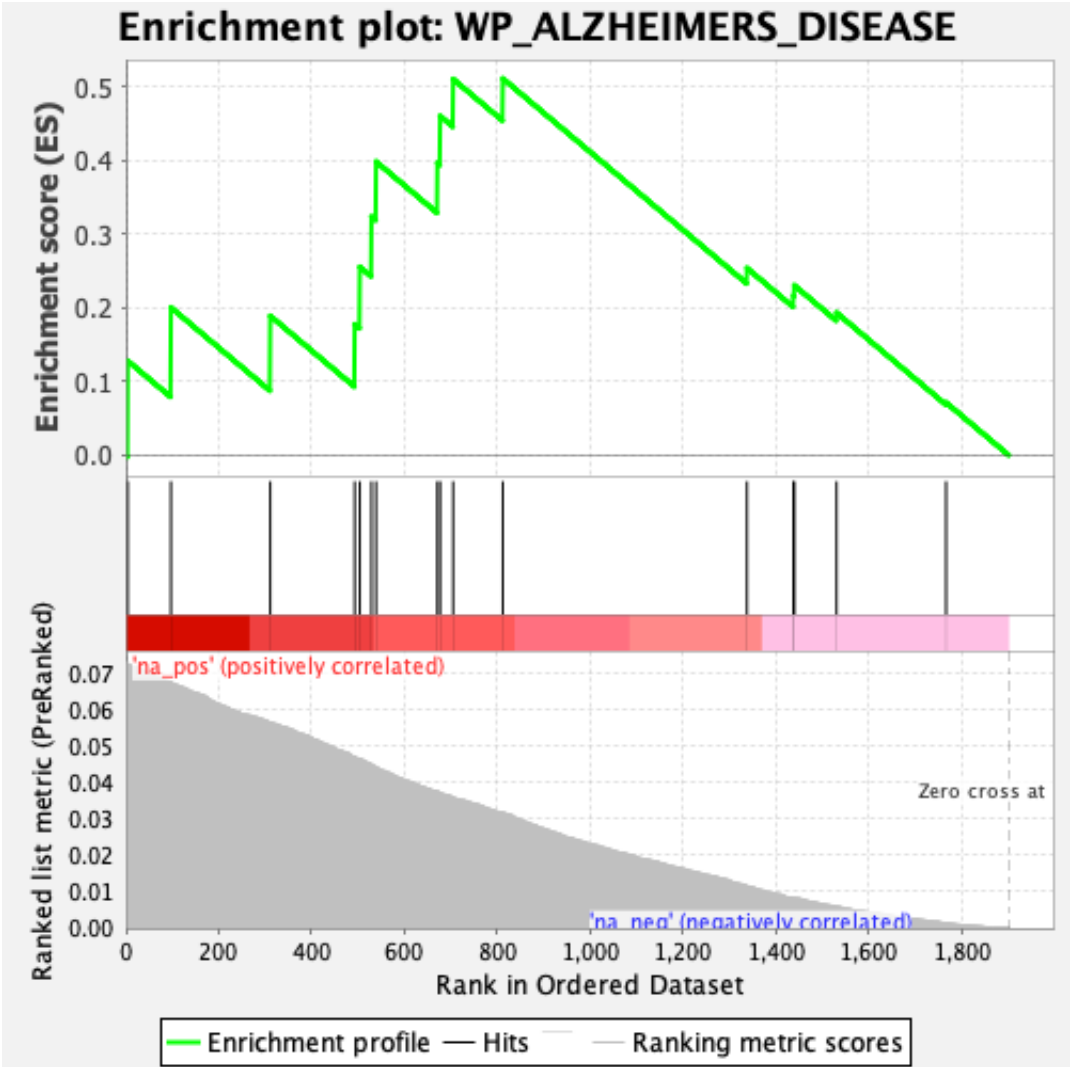


Fig 1: Enrichment plot: WP_ALZHEIMERS_DISEASE
Profile of the Running ES Score & Positions of GeneSet Members on the Rank Ordered List

Table: GSEA details [plain text format]

	SYMBOL	TITLE	RANK IN GENE LIST	RANK METRIC SCORE	RUNNING ES	CORE ENRICHMENT
1	APAF1	apoptotic peptidase activating factor 1 [Source:HGNC Symbol;Acc:HGNC:576]	4	0.073	0.1282	Yes
2	EIF2AK3	eukaryotic translation initiation factor 2 alpha kinase 3 [Source:HGNC Symbol;Acc:HGNC:3255]	97	0.068	0.2007	Yes
3	ITPR3	"inositol 1,4,5-trisphosphate receptor type 3 [Source:HGNC Symbol;Acc:HGNC:6182]"	311	0.057	0.1893	Yes
4	PSENEN	"presenilin enhancer, gamma-secretase subunit [Source:HGNC Symbol;Acc:HGNC:30100]"	493	0.047	0.1778	Yes
5	TNFRSF1A	TNF receptor superfamily member 1A [Source:HGNC Symbol;Acc:HGNC:11916]	504	0.046	0.2558	Yes
6	GNAQ	G protein subunit alpha q [Source:HGNC Symbol;Acc:HGNC:4390]	529	0.045	0.3240	Yes
7	BID	BH3 interacting domain death agonist [Source:HGNC Symbol;Acc:HGNC:1050]	539	0.044	0.3988	Yes
8	SNCA	synuclein alpha [Source:HGNC Symbol;Acc:HGNC:11138]	671	0.038	0.3968	Yes
9	NAE1	NEDD8 activating enzyme E1 subunit 1 [Source:HGNC Symbol;Acc:HGNC:621]	677	0.037	0.4607	Yes
10	MAPK3	mitogen-activated protein kinase 3 [Source:HGNC Symbol;Acc:HGNC:6877]	705	0.036	0.5109	Yes
11	PPP3CC	protein phosphatase 3 catalytic subunit gamma [Source:HGNC Symbol;Acc:HGNC:9316]	812	0.032	0.5117	Yes
12	GSK3B	glycogen synthase kinase 3 beta [Source:HGNC Symbol;Acc:HGNC:4617]	1338	0.012	0.2542	No
13	ATF6	activating transcription factor 6 [Source:HGNC Symbol;Acc:HGNC:791]	1438	0.008	0.2165	No
14	MME	membrane metalloendopeptidase [Source:HGNC Symbol;Acc:HGNC:7154]	1440	0.008	0.2307	No
15	PSEN1	presenilin 1 [Source:HGNC Symbol;Acc:HGNC:9508]	1531	0.006	0.1936	No
16	VMP1	vacuole membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:29559]	1767	0.001	0.0715	No

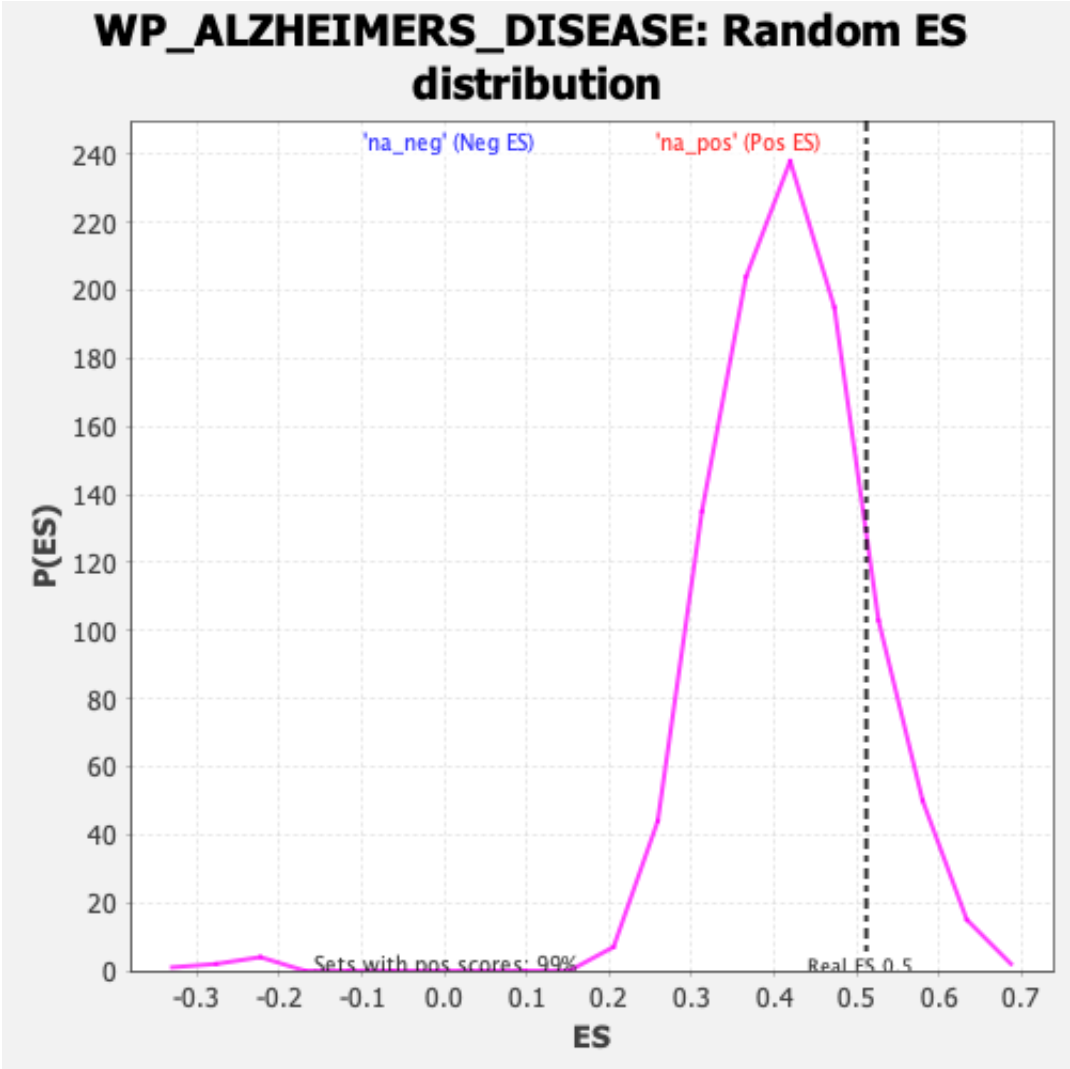


Fig 2: WP_ALZHEIMERS_DISEASE: Random ES distribution
Gene set null distribution of ES for WP_ALZHEIMERS_DISEASE