

Table S1 Baseline information of 375 patients diagnosed with STAD

Variables	Total patients (n=375)
Age (years)	
Mean $\pm$ SD	64.928 $\pm$ 10.45
Median [range]	66 [30–88]
Gender, n (%)	
Female	130 (34.7)
Male	245 (65.3)
Stage, n (%)	
Stage I	1 (0.30)
Stage IA	12 (3.2)
Stage IB	34 (9.1)
Stage II	31 (8.3)
Stage IIA	35(9.3)
Stage IIB	55 (14.7)
Stage III	3 (0.8)
Stage IIIA	72 (19.2)
Stage IIIB	57 (15.2)
Stage IIIC	29 (7.7)
Stage IV	32 (8.5)
Unknow	14 (3.7)
T, n (%)	
T1	4 (1.1)
T1a	2 (0.5)
T1b	11 (2.9)
T2	63 (16.8)
T2a	7 (1.9)
T2b	12 (3.2)
T3	177 (47.2)
T4	23 (6.1)
T4a	50 (13.3)
T4b	21 (5.6)
TX	5 (1.3)

Table S1 (*continued*)

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Variables	Total patients (n=375)
N, n (%)	
N0	111 (29.68)
N1	108 (28.8)
N2	73 (19.5)
N3a	42 (11.2)
N3b	5 (1.3)
NX	8 (2.1)
Unknow	1 (0.3)
M, n (%)	
M0	342 (91.2)
M1	21 (5.6)
MX	12 (3.2)

STAD, stomach adenocarcinoma; SD, standard deviation.

Table S2 The result of IRG sets

Gene set

GOBP_POSITIVE_REGULATION_OF_INFLAMMATORY_RESPONSE_TO_ANTIGENIC_STIMULUS
GOBP_PRODUCTION_OF_MOLECULAR_MEDIATOR_INVOLVED_IN_INFLAMMATORY_RESPONSE
GOBP_REGULATION_OF_ACUTE_INFLAMMATORY_RESPONSE
GOBP_REGULATION_OF_ACUTE_INFLAMMATORY_RESPONSE_TO_ANTIGENIC_STIMULUS
GOBP_REGULATION_OF_CHRONIC_INFLAMMATORY_RESPONSE
GOBP_REGULATION_OF_INFLAMMATORY_RESPONSE
GOBP_REGULATION_OF_INFLAMMATORY_RESPONSE_TO_ANTIGENIC_STIMULUS
GOBP_REGULATION_OF_INFLAMMATORY_RESPONSE_TO_WOUNDING
GOBP_LEUKOCYTE_MIGRATION_INVOLVED_IN_INFLAMMATORY_RESPONSE
GOBP_WOUND_HEALING_INVOLVED_IN_INFLAMMATORY_RESPONSE
GOCC_WEIBEL_PALADE_BODY
GOMF_INTERLEUKIN_1_RECEPTOR_ACTIVITY
GOBP_NEGATIVE_REGULATION_OF_ACUTE_INFLAMMATORY_RESPONSE
GOBP_POSITIVE_REGULATION_OF_INFLAMMATORY_RESPONSE
GOBP_ACUTE_INFLAMMATORY_RESPONSE_TO_ANTIGENIC_STIMULUS
GOBP_ACUTE_INFLAMMATORY_RESPONSE
GOBP_ACUTE_PHASE_RESPONSE
GOBP_CYTOKINE_PRODUCTION_INVOLVED_IN_INFLAMMATORY_RESPONSE
GOBP_HISTAMINE_PRODUCTION_INVOLVED_IN_INFLAMMATORY_RESPONSE
GOBP_HYPERSENSITIVITY
GOBP_INFLAMMATORY_CELL_APOPTOTIC_PROCESS
GOBP_INFLAMMATORY_RESPONSE_TO_ANTIGENIC_STIMULUS
GOBP_LEUKOCYTE_CHEMOTAXIS_INVOLVED_IN_INFLAMMATORY_RESPONSE
GOBP_LEUKOCYTE_MIGRATION_INVOLVED_IN_INFLAMMATORY_RESPONSE
GOBP_MACROPHAGE_INFLAMMATORY_PROTEIN_1_ALPHA_PRODUCTION
GOBP_NEGATIVE_REGULATION_OF_ACUTE_INFLAMMATORY_RESPONSE_TO_ANTIGENIC_STIMULUS
GOBP_NEGATIVE_REGULATION_OF_ACUTE_INFLAMMATORY_RESPONSE
GOBP_NEGATIVE_REGULATION_OF_CYTOKINE_PRODUCTION_INVOLVED_IN_INFLAMMATORY_RESPONSE
GOBP_NEGATIVE_REGULATION_OF_INFLAMMATORY_RESPONSE_TO_ANTIGENIC_STIMULUS
GOBP_NEGATIVE_REGULATION_OF_INFLAMMATORY_RESPONSE
GOBP_PLATELET_ACTIVATING_FACTOR_METABOLIC_PROCESS
GOBP_POSITIVE_REGULATION_OF_ACUTE_INFLAMMATORY_RESPONSE_TO_ANTIGENIC_STIMULUS
GOBP_POSITIVE_REGULATION_OF_ACUTE_INFLAMMATORY_RESPONSE
GOBP_POSITIVE_REGULATION_OF_CYTOKINE_PRODUCTION_INVOLVED_IN_INFLAMMATORY_RESPONSE

IRG, inflammation-related gene.