

Treatment Group	TLR1	GAPDH	ΔCq	$\Delta\Delta Cq$	Fold change $2^{\Delta\Delta Cq}$
Control	30.83	20.62	10.21	0.00	1.00
1 pg	29.20	21.08	8.12	-2.09	4.26
100 pg	28.05	19.32	8.73	-1.48	2.79
1 ng	30.00	22.13	7.87	-2.34	5.06
100 ng	30.36	20.95	9.41	-0.80	1.75

Treatment Group	TLR2	GAPDH	ΔCq	$\Delta\Delta Cq$	Fold change $2^{\Delta\Delta Cq}$
Control	29.01	20.62	8.39	0.00	1.00
1 pg	29.99	21.08	8.91	0.52	0.70
100 pg	27.79	19.32	8.47	0.08	0.94
1 ng	30.22	22.13	8.09	-0.30	1.23
100 ng	29.78	20.95	8.83	0.44	0.74

Treatment Group	TLR3	GAPDH	ΔCq	$\Delta\Delta Cq$	Fold change $2^{\Delta\Delta Cq}$
Control	33.48	20.62	12.86	0.00	1.00
1 pg	33.53	21.08	12.45	-0.41	1.33
100 pg	32.31	19.32	12.99	0.13	0.91
1 ng	33.77	22.13	11.64	-1.22	2.33
100 ng	33.51	20.95	12.56	-0.30	1.23

Treatment Group	TLR4	GAPDH	ΔCq	$\Delta\Delta Cq$	Fold change $2^{\Delta\Delta Cq}$
Control	32.46	20.62	11.84	0.00	1.00
1 pg	33.12	21.08	12.04	0.20	0.87
100 pg	35.86	19.32	16.54	4.69	0.04
1 ng	35.54	22.13	13.41	1.57	0.34
100 ng	35.58	20.95	14.63	2.78	0.15

Treatment Group	TLR5	GAPDH	ΔCq	$\Delta\Delta Cq$	Fold change $2^{\Delta\Delta Cq}$
Control	32.24	20.62	11.62	0.00	1.00
1 pg	32.52	21.08	11.44	-0.18	1.13
100 pg	29.62	19.32	10.30	-1.32	2.50
1 ng	31.62	22.13	9.49	-2.13	4.38
100 ng	32.78	20.95	11.83	0.21	0.86

Treatment Group	TLR6	GAPDH	ΔCq	$\Delta\Delta Cq$	Fold change $2^{\Delta\Delta Cq}$
Control	29.26	20.62	8.64	0.00	1.00

1 pg	30.10	21.08	9.02	0.38	0.77
100 pg	28.46	19.32	9.14	0.50	0.71
1 ng	29.35	22.13	7.22	-1.42	2.68
100 ng	30.73	20.95	9.78	1.14	0.45

Treatment Group	TLR7	GAPDH	ΔCq	$\Delta\Delta Cq$	Fold change $2^{-\Delta\Delta Cq}$
Control	32.78	20.62	12.16	0.00	1.00
1 pg	37.59	21.08	16.51	4.35	0.05
100 pg	32.61	19.32	13.29	1.13	0.46
1 ng	37.40	22.13	15.27	3.11	0.12
100 ng	33.73	20.95	12.78	0.62	0.65

Treatment Group	TLR8	GAPDH	ΔCq	$\Delta\Delta Cq$	Fold change $2^{-\Delta\Delta Cq}$
Control	34.32	20.62	13.70	0.00	1.00
1 pg	34.99	21.08	13.91	0.21	0.86
100 pg	32.20	19.32	12.88	-0.82	1.77
1 ng	33.81	22.13	11.68	-2.02	4.06
100 ng	31.70	20.95	10.75	-2.95	7.73

Treatment Group	TLR10	GAPDH	ΔCq	$\Delta\Delta Cq$	Fold change $2^{-\Delta\Delta Cq}$
Control	28.22	20.62	7.60	0.00	1.00
1 pg	31.71	21.08	10.63	3.03	0.12
100 pg	28.1	19.32	8.78	1.18	0.44
1 ng	34.34	22.13	12.21	4.61	0.04
100 ng	30.87	20.95	9.92	2.32	0.20

Treatment Group	TRIF	GAPDH	ΔCq	$\Delta\Delta Cq$	Fold change $2^{-\Delta\Delta Cq}$
Control	33.50	20.62	12.88	0.00	1.00
1 pg	33.69	21.08	12.61	-0.27	1.21
100 pg	33.14	19.32	13.82	0.94	0.52
1 ng	32.58	22.13	10.45	-2.44	5.41
100 ng	33.26	20.95	12.31	-0.57	1.48

Treatment Group	TRAF3	GAPDH	ΔCq	$\Delta\Delta Cq$	Fold change $2^{-\Delta\Delta Cq}$
Control	32.11	20.62	11.49	0.00	1.00
1 pg	35.60	21.08	14.52	3.03	0.12
100 pg	30.44	19.32	11.12	-0.37	1.29

1 ng	34.23	22.13	12.10	0.61	0.66
100 ng	30.49	20.95	9.54	-1.95	3.86

Treatment Group	TRAF6	GAPDH	ΔCq	$\Delta\Delta Cq$	Fold change $2^{-\Delta\Delta Cq}$
Control	33.77	20.62	13.15	0.00	1.00
1 pg	34.73	21.08	13.65	0.50	0.71
100 pg	35.38	19.32	16.06	2.91	0.13
1 ng	35.20	22.13	13.07	-0.08	1.06
100 ng	36.36	20.95	15.41	2.26	0.21

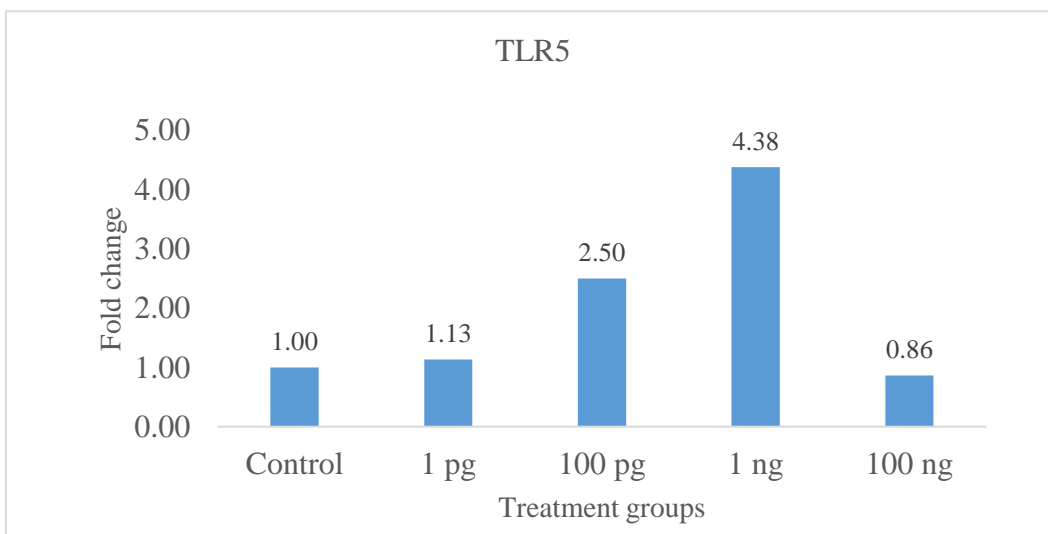
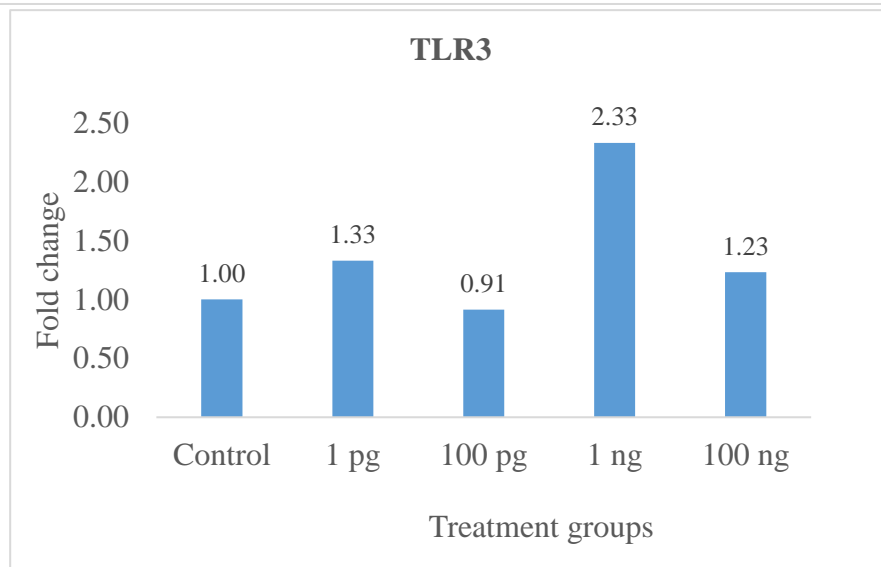
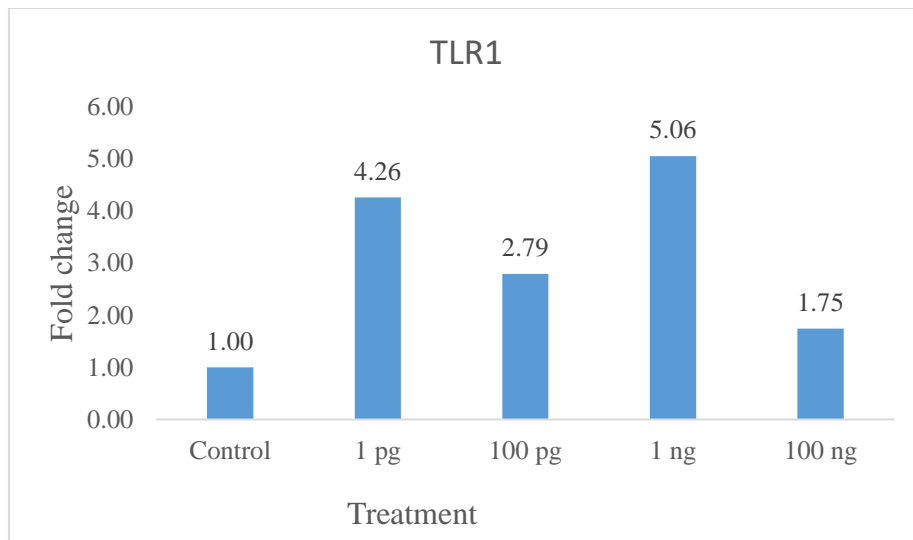
Treatment Group	TLR9	GAPDH	ΔCq	$\Delta\Delta Cq$	Fold change $2^{-\Delta\Delta Cq}$
Control	30.93	20.62	10.31	0.00	1.00
1 pg	34.08	21.08	13.00	2.69	0.15
100 pg	28.44	19.32	9.12	-1.18	2.27
1 ng	30.54	22.13	8.41	-1.90	3.72
100 ng	28.38	20.95	7.43	-2.88	7.34

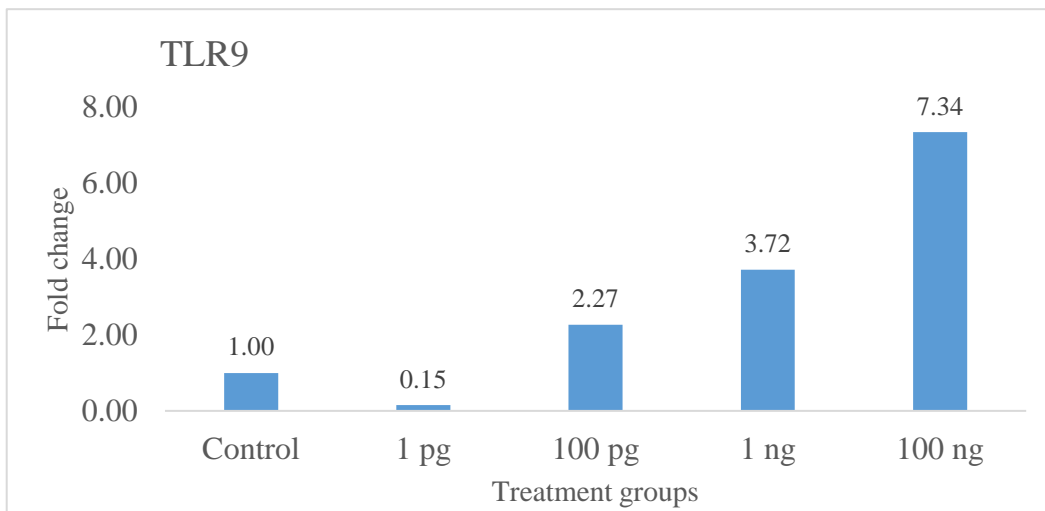
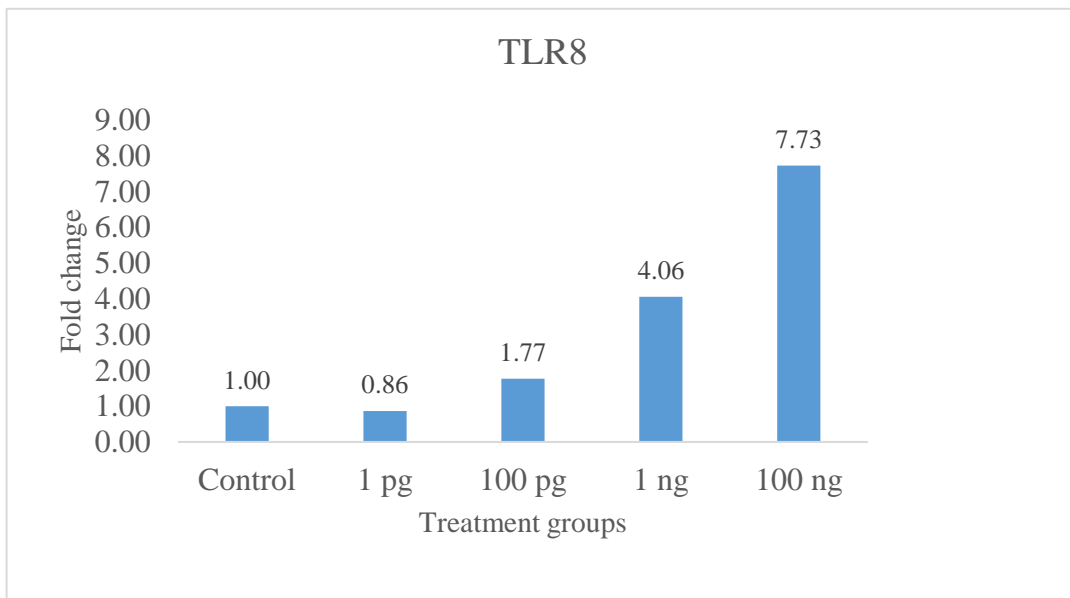
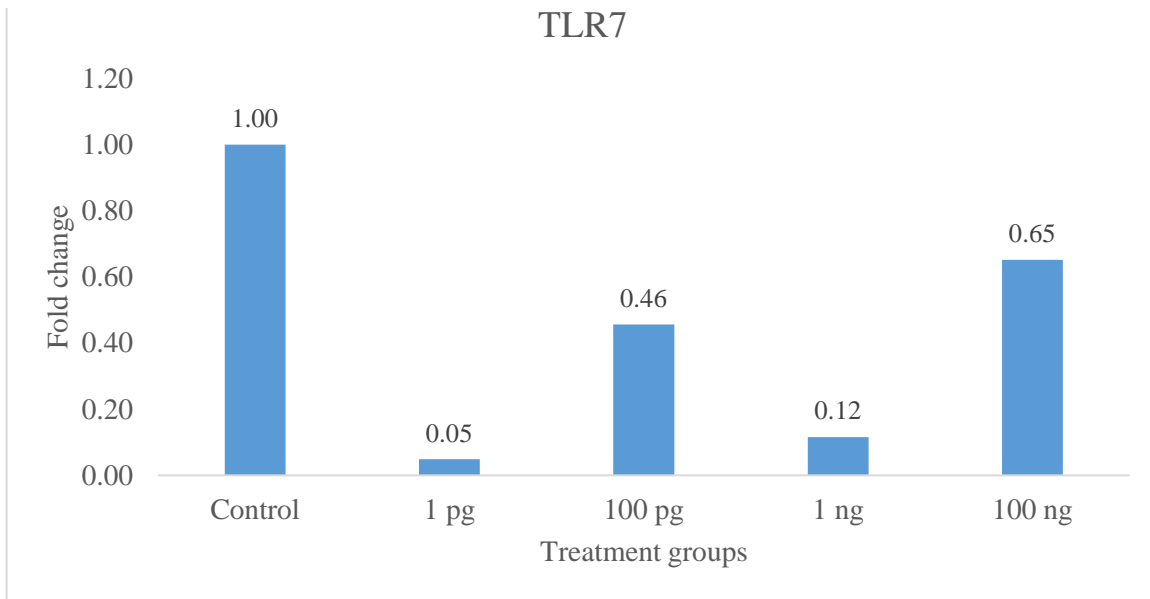
Treatment Group	MYD88	GAPDH	ΔCq	$\Delta\Delta Cq$	Fold change $2^{-\Delta\Delta Cq}$
Control	30.10	20.62	9.48	0.00	1.00
1 pg	28.44	21.08	7.36	-2.11	4.33
100 pg	29.73	19.32	10.41	0.93	0.52
1 ng	29.31	22.13	7.18	-2.30	4.91
100 ng	31.09	20.95	10.14	0.67	0.63

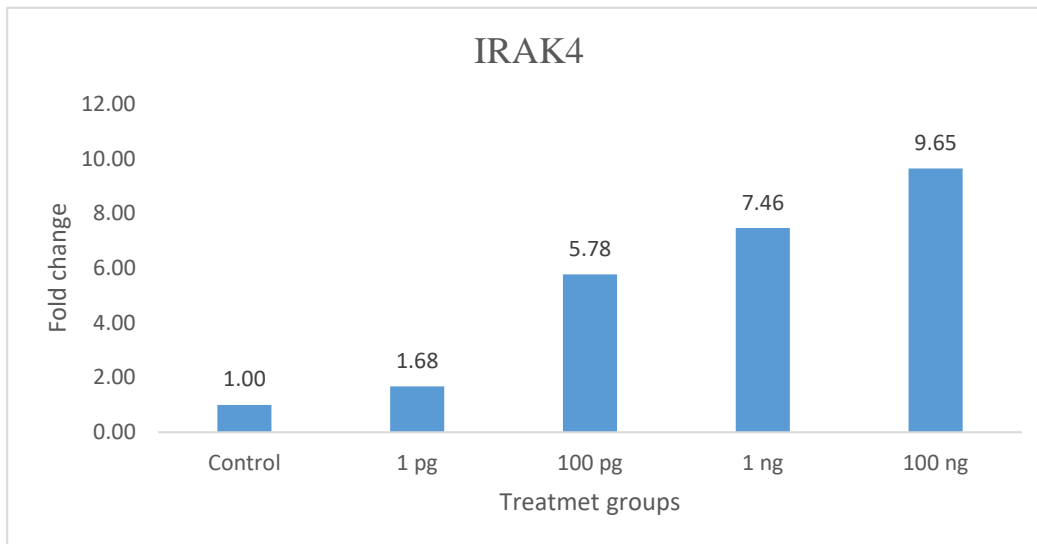
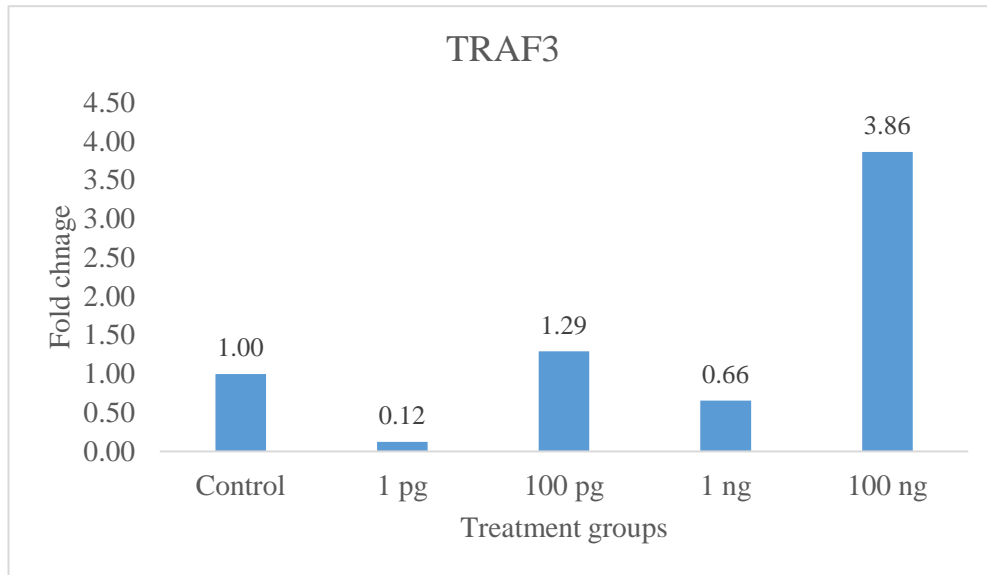
Treatment Group	IRAK4	GAPDH	ΔCq	$\Delta\Delta Cq$	Fold change $2^{-\Delta\Delta Cq}$
Control	31.82	20.62	11.20	0.00	1.00
1 pg	31.53	21.08	10.45	-0.75	1.68
100 pg	27.99	19.32	8.67	-2.53	5.78
1 ng	30.43	22.13	8.30	-2.90	7.46
100 ng	28.88	20.95	7.93	-3.27	9.65

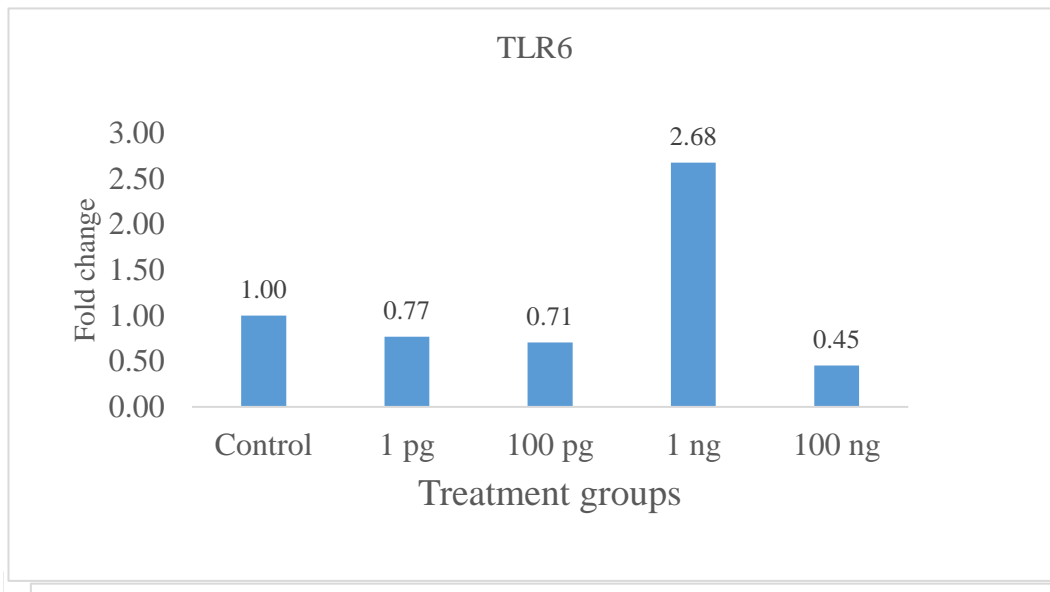
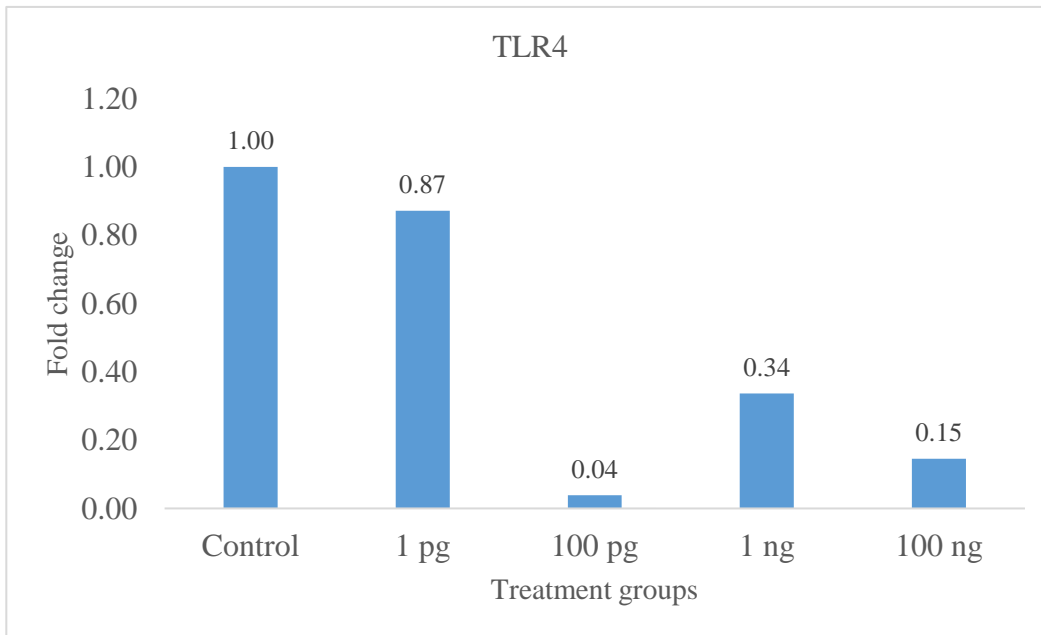
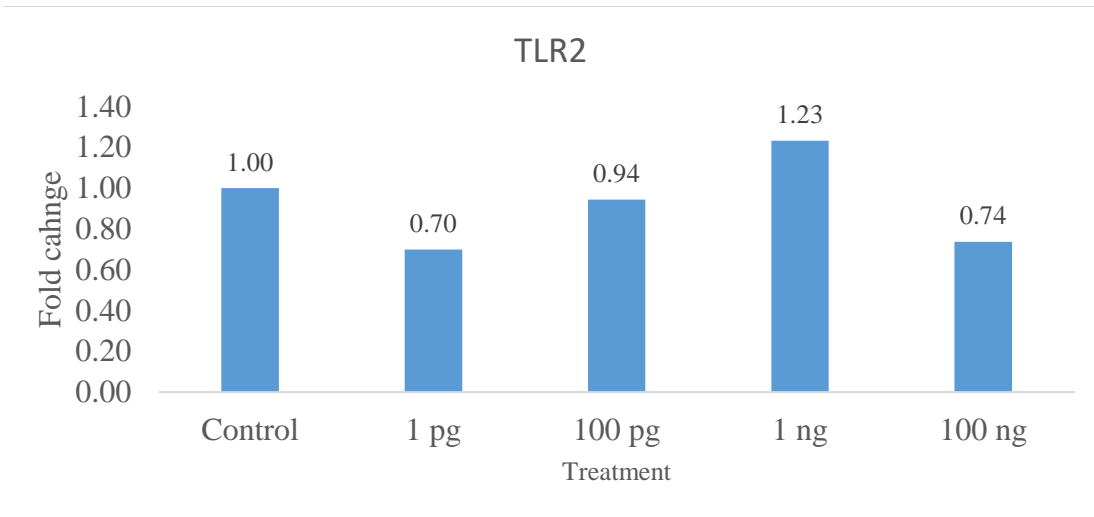
Sr. No.	Treatment	Control	1pg	100pg	1ng	100ng
1	TLR1	1	4.26	2.79	5.06	1.75
2	TLR2	1	0.7	0.94	1.23	0.74
3	TLR3	1	1.33	0.91	2.33	1.23
4	TLR4	1	0.87	0.04	0.34	0.15
5	TLR5	1	1.13	2.5	4.38	0.86
6	TLR6	1	0.77	0.71	2.68	0.45

7	TLR7	1	0.05	0.46	0.12	0.65
8	TLR8	1	0.86	1.77	4.06	7.73
9	TLR9	1	0.15	2.27	3.72	7.34
10	TLR10	1	0.12	2.77	1.59	7.88
11	MYD88	1	4.33	0.52	4.91	0.63
13	TRAF6	1	0.71	0.13	1.06	0.21
14	TRAF3	1	0.12	1.29	0.66	3.86
15	TRIF	1	1.21	0.52	5.41	1.48
16	IRAK4	1	1.68179	5.77572	7.46426	9.646462622

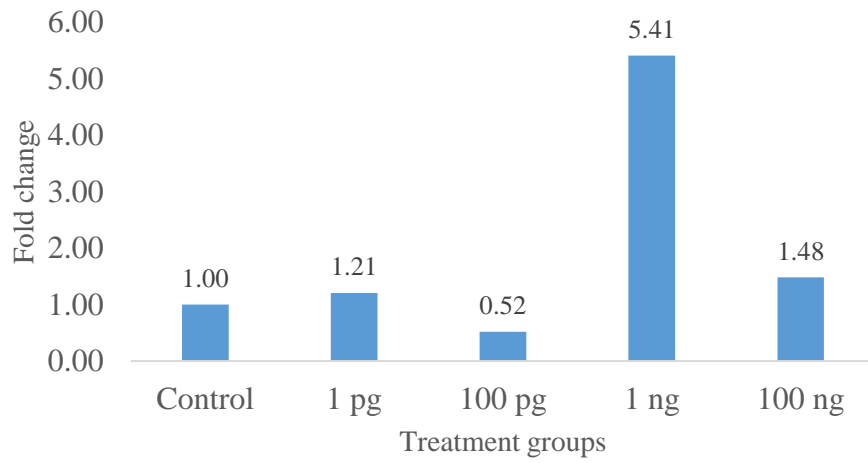




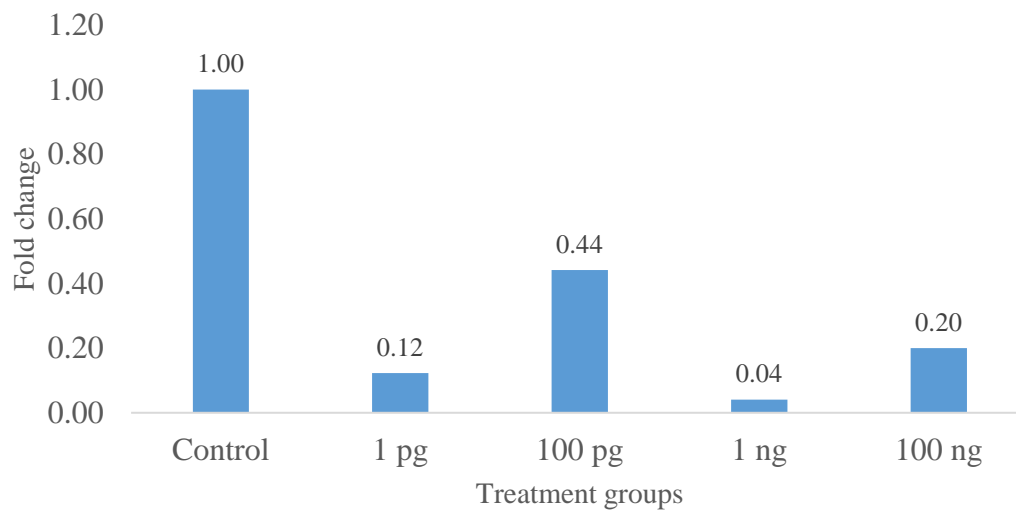




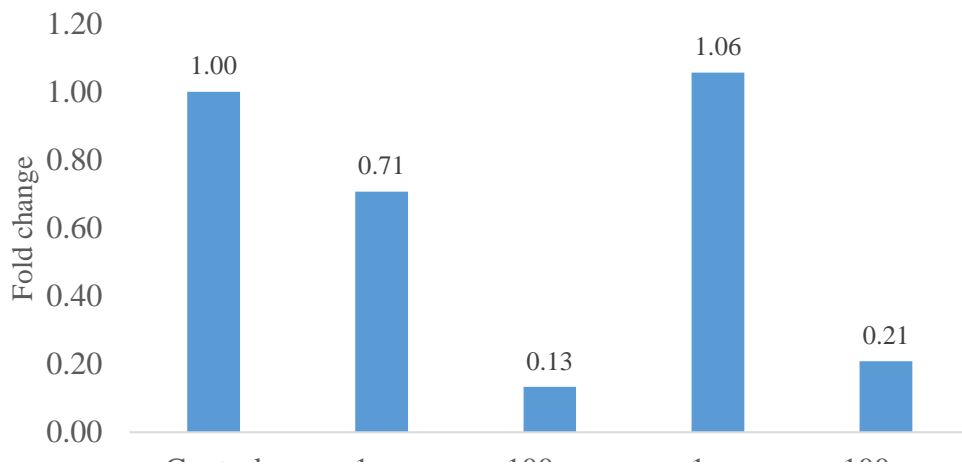
TRIF



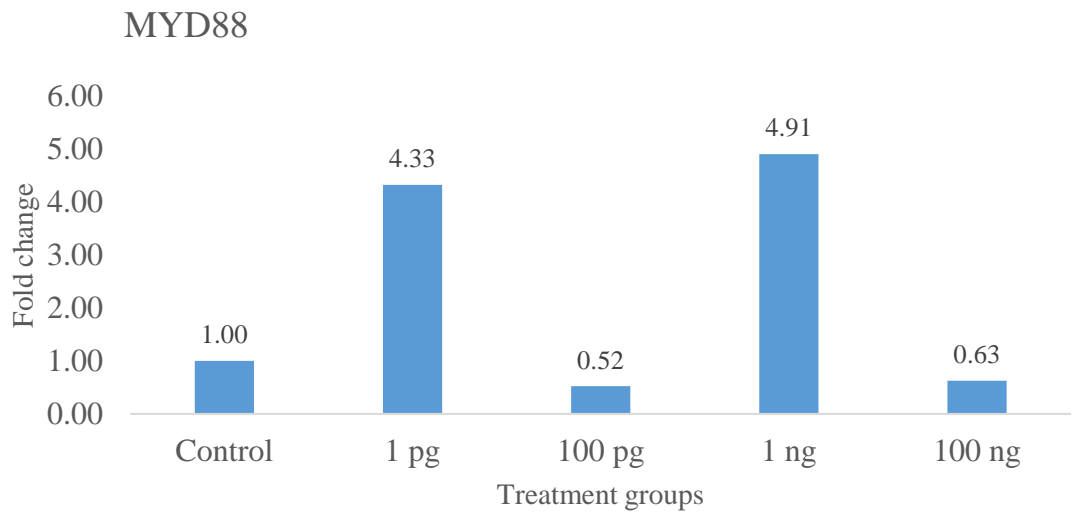
TLR10



TRAF6



Control 1 pg 100 pg 1 ng 100 ng
Treatment groups



Treatment Group	TLR1	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	28.50	21.10	7.40	0.00
1 pg	30.87	21.78	9.09	1.69
100 pg	33.38	22.52	10.86	3.46
1 ng	29.58	19.83	9.75	2.36
100 ng	34.51	23.63	10.88	3.48

Treatment Group	TLR2	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	28.41	21.10	7.31	0.00
1 pg	27.85	21.78	6.07	-1.24
100 pg	34.40	22.52	11.88	4.57
1 ng	31.44	19.83	11.61	4.30
100 ng	33.60	23.63	9.97	2.66

Treatment Group	TLR3	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	28.73	21.10	7.63	0.00
1 pg	30.30	21.78	8.52	0.89
100 pg	35.08	22.52	12.56	4.93
1 ng	28.41	19.83	8.58	0.95
100 ng	34.40	23.63	10.77	3.14

Treatment Group	TLR4	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	34.80	21.10	13.70	0.00
1 pg	32.52	21.78	10.74	-2.96
100 pg	34.21	22.52	11.69	-2.01
1 ng	33.50	19.83	13.67	-0.03
100 ng	35.82	23.63	12.19	-1.51

Treatment Group	TLR5	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	32.39	21.10	11.29	0.00
1 pg	30.95	21.78	9.17	-2.12
100 pg	32.55	22.52	10.03	-1.26
1 ng	32.57	19.83	12.74	1.45
100 ng	32.41	23.63	8.78	-2.51

Treatment Group	TLR6	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	28.22	21.10	7.12	0.00
1 pg	30.36	21.78	8.58	1.46
100 pg	34.35	22.52	11.83	4.71
1 ng	27.48	19.83	7.65	0.53
100 ng	34.03	23.63	10.40	3.28

Treatment Group	TLR7	GAPDH	ΔCq	$\Delta\Delta Cq$
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Control	32.67	21.10	11.57	0.00
1 pg	30.16	21.78	8.38	-3.19
100 pg	33.36	22.52	10.84	-0.73
1 ng	31.09	19.83	11.26	-0.31
100 ng	34.68	23.63	11.05	-0.52

Treatment Group	TLR8	GAPDH	ΔCq	$\Delta\Delta$Cq
Control	28.68	21.10	7.58	0.00
1 pg	29.48	21.78	7.70	0.12
100 pg	30.67	22.52	8.15	0.57
1 ng	27.98	19.83	8.15	0.57
100 ng	33.65	23.63	10.02	2.43

Treatment Group	TLR10	GAPDH	ΔCq	$\Delta\Delta$Cq
Control	27.39	21.10	6.29	0.00
1 pg	24.49	21.78	2.71	-3.58
100 pg	24.85	22.52	2.33	-3.96
1 ng	24.50	19.83	4.67	-1.62
100 ng	26.48	23.63	2.85	-3.44

Treatment Group	Trif	GAPDH	ΔCq	$\Delta\Delta$Cq
Control	34.36	21.10	13.26	0.00
1 pg	32.95	21.78	11.17	-2.09
100 pg	34.23	22.52	11.71	-1.55
1 ng	31.83	19.83	12.00	-1.26
100 ng	34.32	23.63	10.69	-2.58

Treatment Group	TRAF3	GAPDH	ΔCq	$\Delta\Delta$Cq
Control	33.88	21.10	12.78	0.00
1 pg	35.44	21.78	13.66	0.88
100 pg	35.73	22.52	13.21	0.44
1 ng	32.27	19.83	12.44	-0.33
100 ng	37.25	23.63	13.62	0.84

Treatment Group	TRAF6	GAPDH	ΔCq	$\Delta\Delta$Cq
Control	33.32	21.10	12.22	0.00
1 pg	31.41	21.78	9.63	-2.58
100 pg	33.25	22.52	10.73	-1.49
1 ng	31.45	19.83	11.62	-0.60
100 ng	34.54	23.63	10.91	-1.30

Treatment Group	TLR9	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	28.21	21.10	7.11	0.00
1 pg	27.44	21.78	5.66	-1.45
100 pg	27.65	22.52	5.13	-1.98
1 ng	27.41	19.83	7.58	0.47
100 ng	27.56	23.63	3.93	-3.18

Treatment Group	MYD88	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	31.23	21.10	10.13	0.00
1 pg	29.15	21.78	7.37	-2.75
100 pg	30.07	22.52	7.55	-2.57
1 ng	30.51	19.83	10.68	0.55
100 ng	32.40	23.63	8.77	-1.36

Treatment Group	IRAK4	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	27.79	21.10	6.69	0.00
1 pg	29.61	21.78	7.83	1.14
100 pg	31.31	22.52	8.79	2.10
1 ng	27.59	19.83	7.76	1.07
100 ng	31.10	23.63	7.47	0.78

Sr. No.	Treatment Details	Control	1pg	100pg	1ng
1	TLR1	1	0.31	0.09	0.2
2	TLR2	1	2.37	0.04	0.05
3	TLR3	1	0.54	0.03	0.52
4	TLR4	1	7.78	4.03	1.02
5	TLR5	1	4.35	2.39	0.37
6	TLR6	1	0.36	0.04	0.69
7	TLR7	1	9.09	1.66	1.24
8	TLR8	1	0.92	0.68	0.67
9	TLR9	1	2.74	3.95	0.72
10	TLR10	1	11.96	15.56	3.07
11	MYD88	1	6.75	5.95	0.68
13	TRAF6	1	5.99	2.8	1.52
14	TRAF3	1	0.54	0.74	1.26
15	TRIF	1	4.26	2.93	2.4
16	IRAK4	1	0.45	0.23	0.48

Fold change $2^{-\Delta\Delta Cq}$
1.00
0.31
0.09
0.20
0.09

Fold change $2^{-\Delta\Delta Cq}$
1.00
2.37
0.04
0.05
0.16

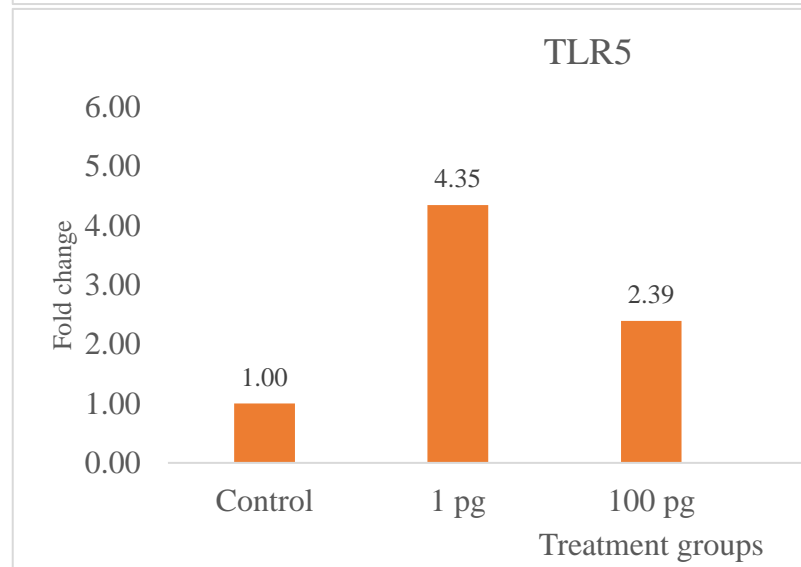
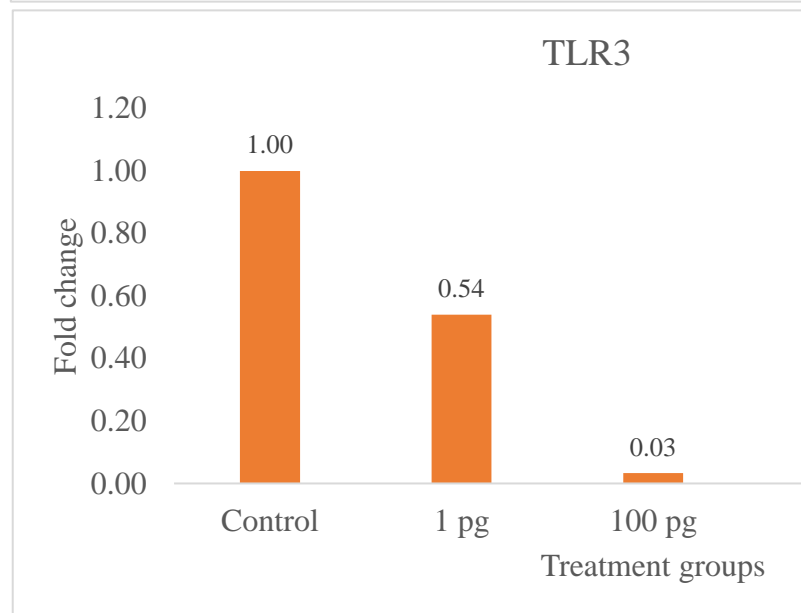
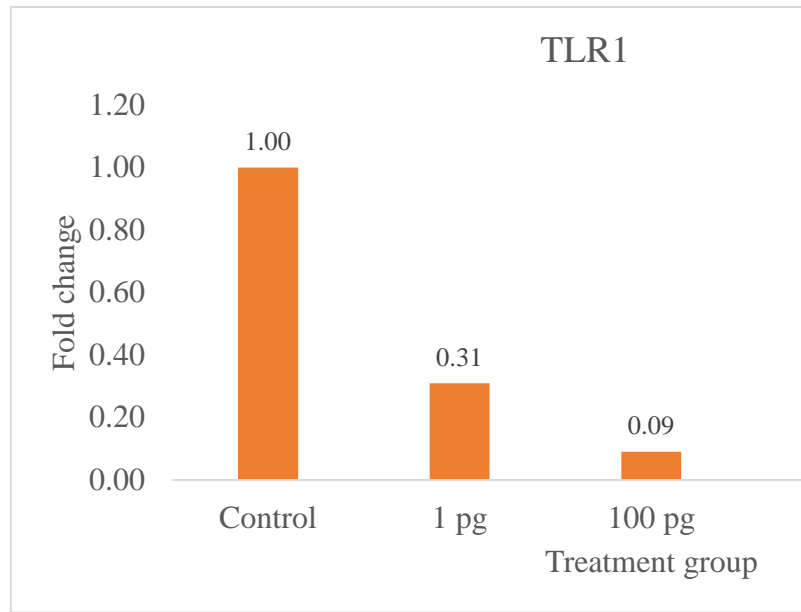
Fold change $2^{-\Delta\Delta Cq}$
1.00
0.54
0.03
0.52
0.11

Fold change $2^{-\Delta\Delta Cq}$
1.00
7.78
4.03
1.02
2.85

Fold change $2^{-\Delta\Delta Cq}$
1.00
4.35
2.39
0.37
5.70

Fold change $2^{-\Delta\Delta Cq}$
1.00
0.36
0.04
0.69
0.10

Fold change $2^{-\Delta\Delta Cq}$



1.00
9.09
1.66
1.24
1.43

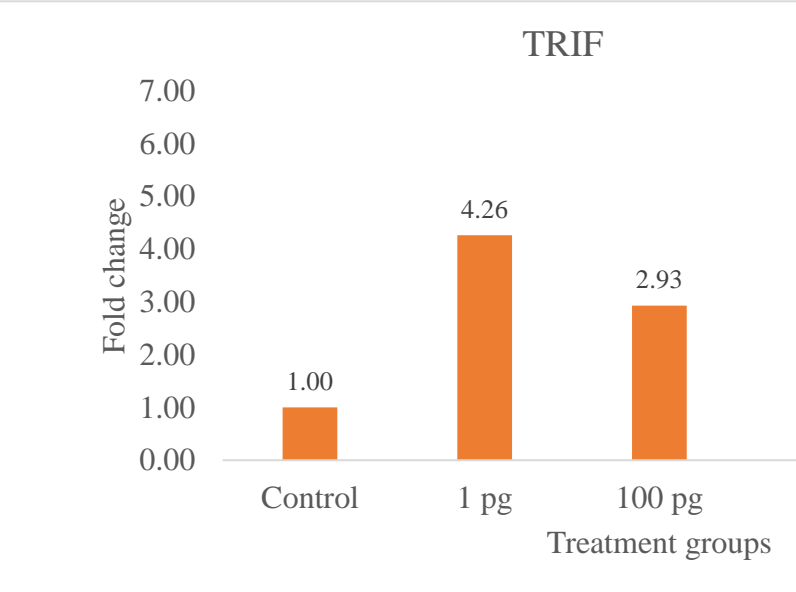
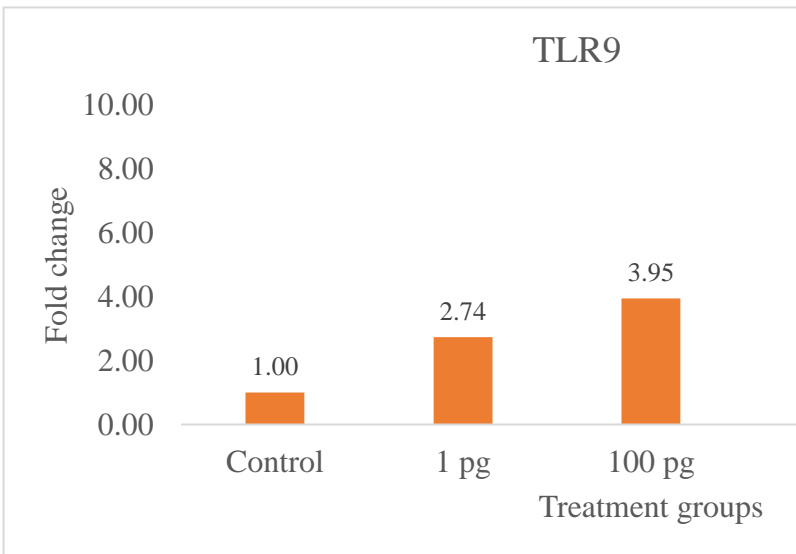
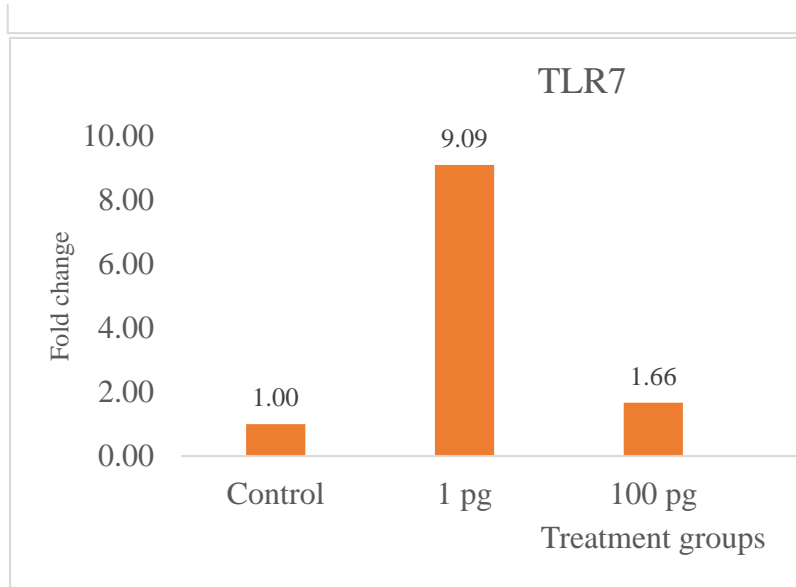
Fold change $2^{-\Delta\Delta Cq}$
1.00
0.92
0.68
0.67
0.18

Fold change $2^{-\Delta\Delta Cq}$
1.00
11.96
15.56
3.07
10.82

Fold change $2^{-\Delta\Delta Cq}$
1.00
4.26
2.93
2.40
5.96

Fold change $2^{-\Delta\Delta Cq}$
1.00
0.54
0.74
1.26
0.56

Fold change $2^{-\Delta\Delta Cq}$
1.00
5.99
2.80
1.52
2.47

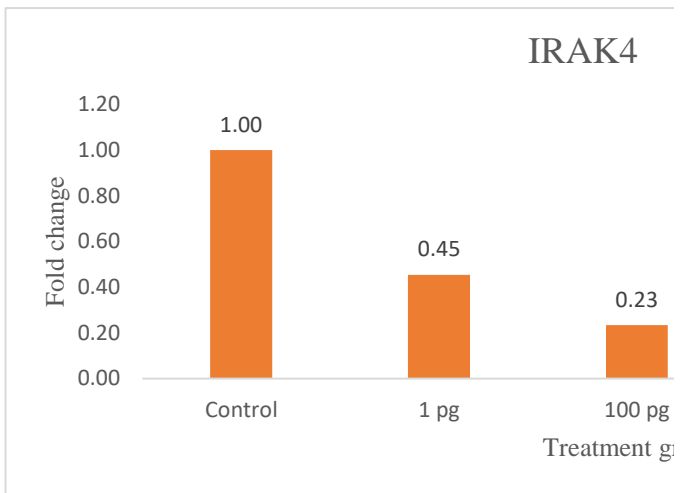
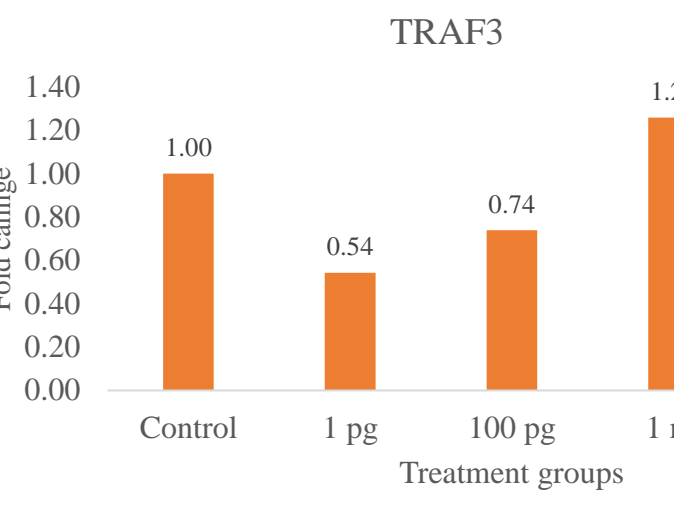


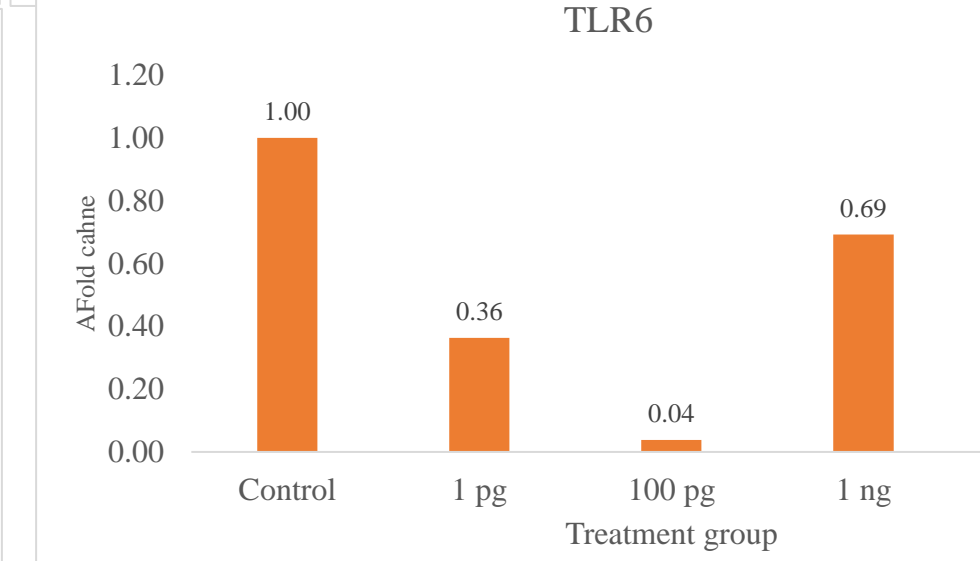
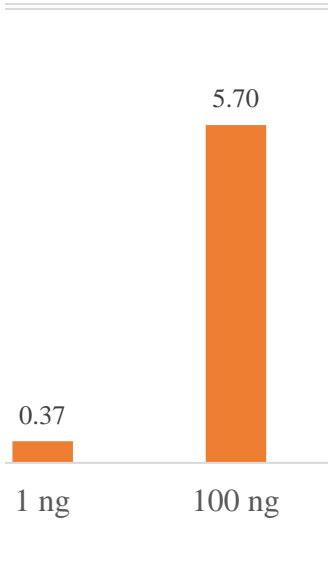
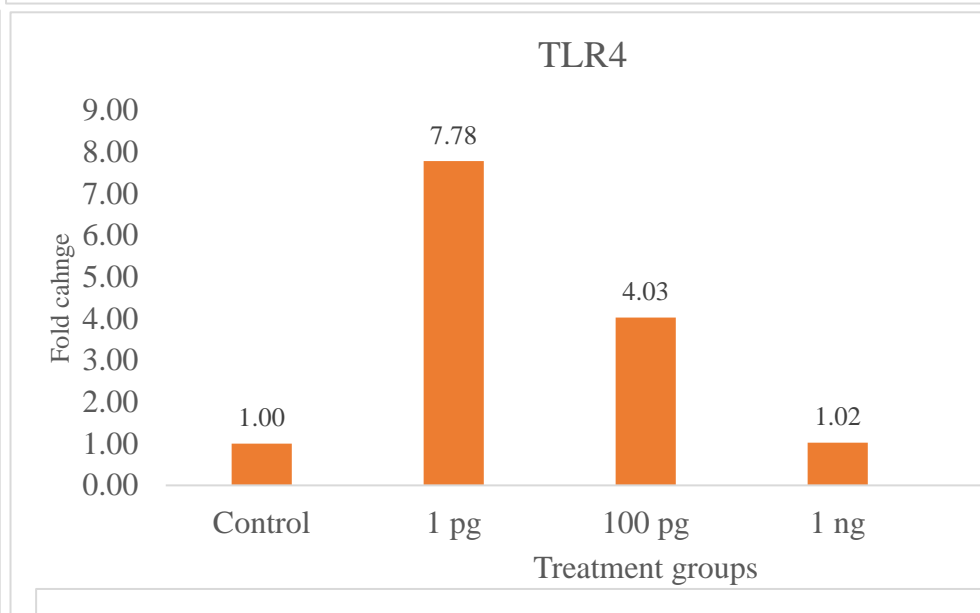
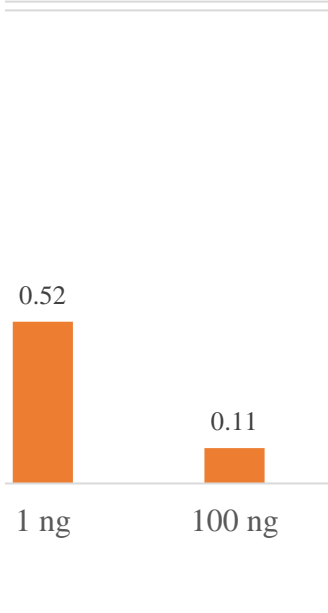
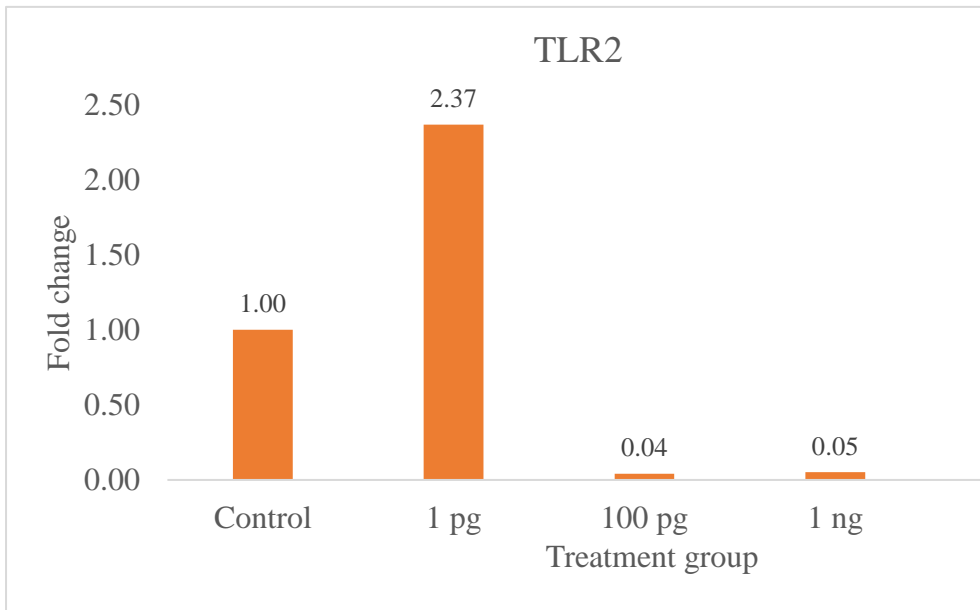
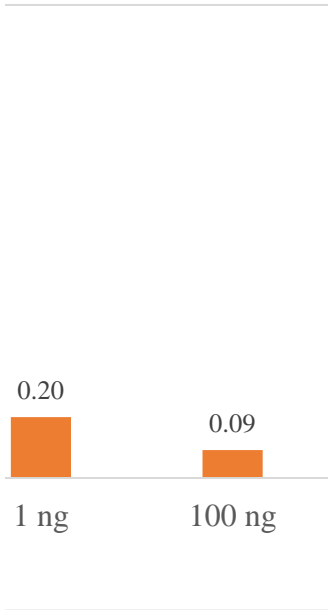
Fold change $2^{-\Delta\Delta Cq}$
1.00
2.74
3.95
0.72
9.07

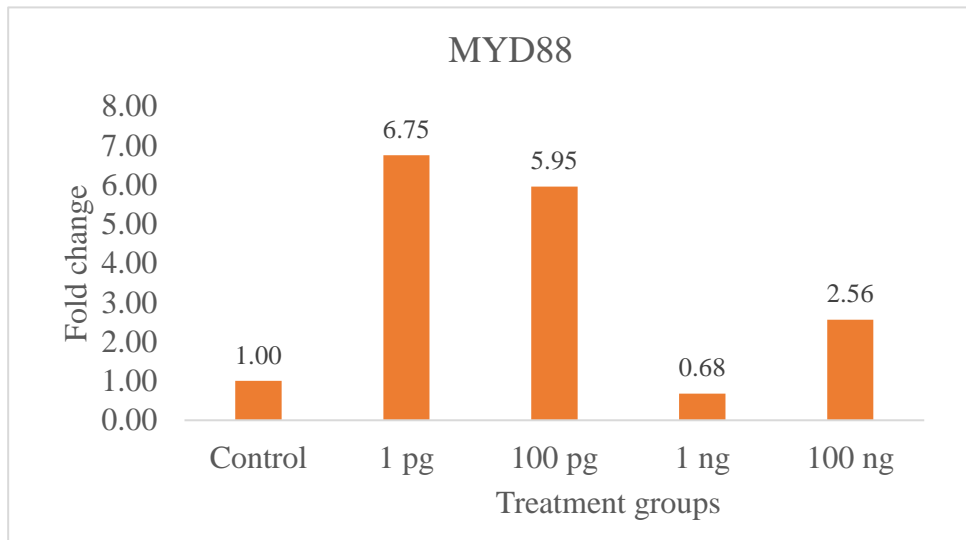
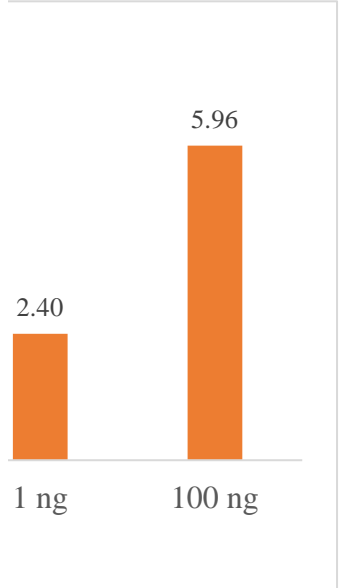
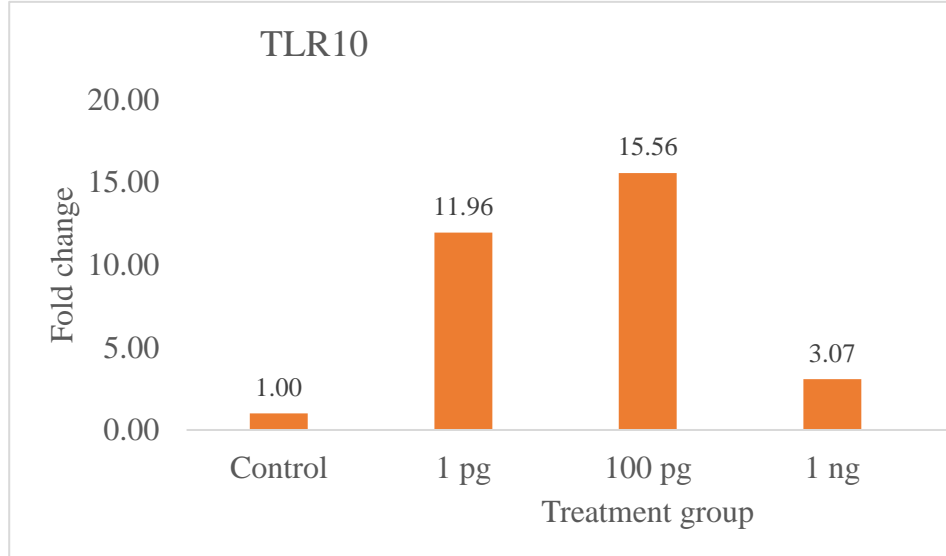
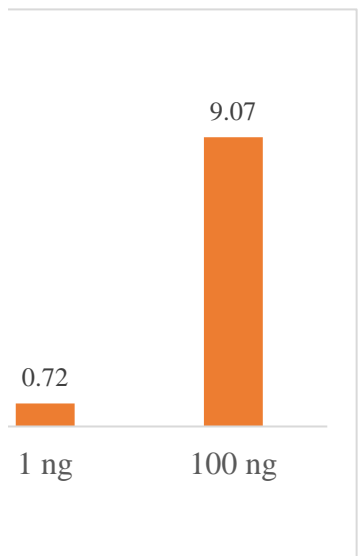
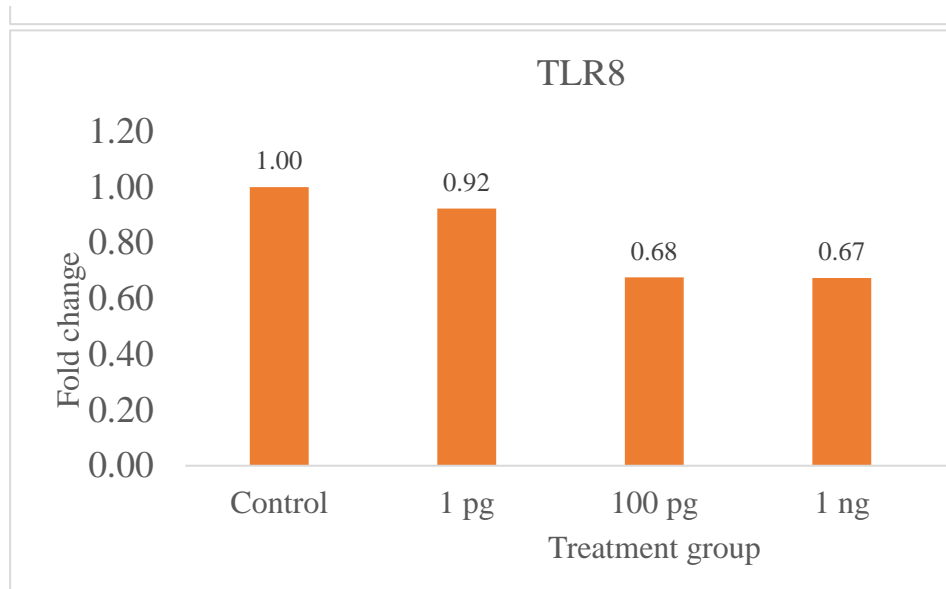
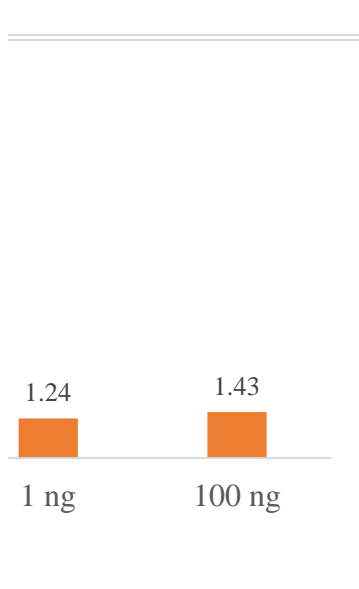
Fold change $2^{-\Delta\Delta Cq}$
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5.95
0.68
2.56

Fold change $2^{-\Delta\Delta Cq}$
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0.45
0.23
0.48
0.58

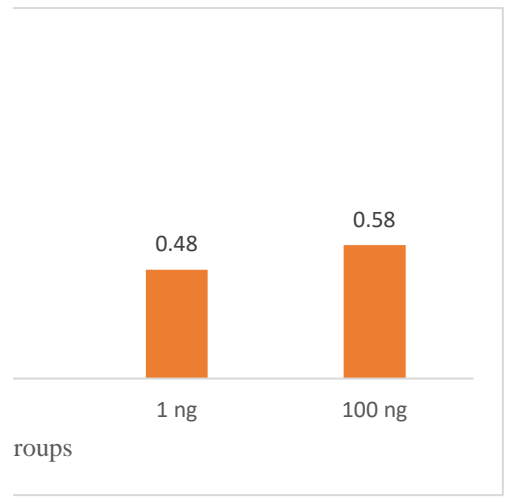
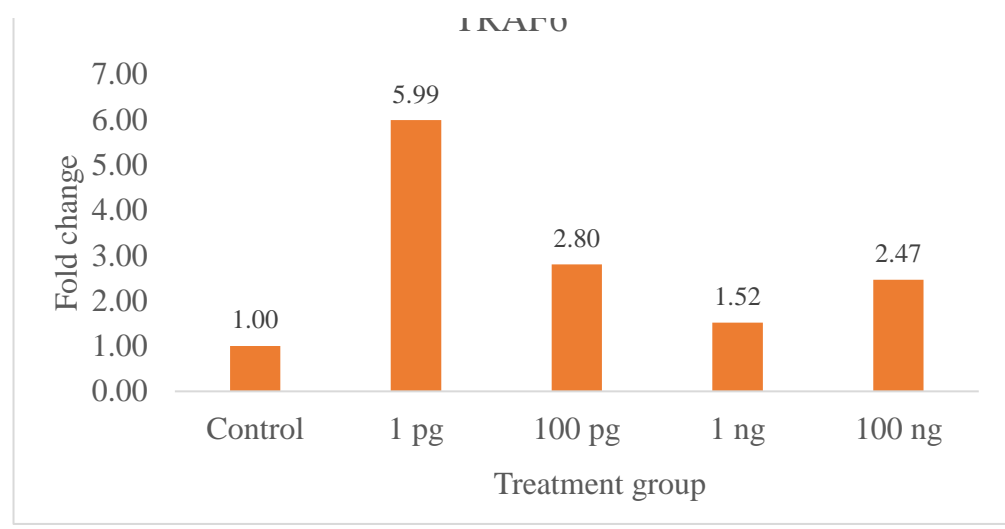
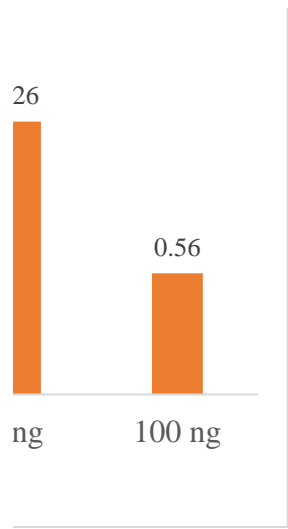
100ng
0.09
0.16
0.11
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9.07
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2.47
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5.96
0.58

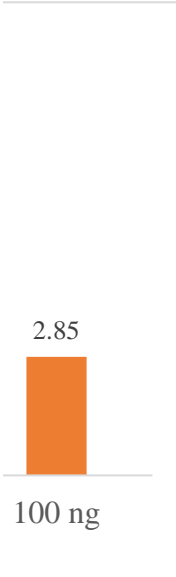






TRAF6





0.18



100 ng

10.82



100 ng

Treatment G	TLR1	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	29.71	24.33	5.38	0.00
1 pg	27.74	22.19	5.55	0.18
100 pg	28.99	24.06	4.93	-0.44
1 ng	28.45	20.83	7.62	2.25
100 ng	29.11	23.26	5.85	0.48

Treatment G	TLR2	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	30.73	24.33	6.40	0.00
1 pg	28.08	22.19	5.89	-0.51
100 pg	28.57	24.06	4.52	-1.88
1 ng	28.72	20.83	7.89	1.49
100 ng	30.28	23.26	7.02	0.62

Treatment G	TLR3	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	29.94	24.33	5.61	0.00
1 pg	28.18	22.19	5.99	0.39
100 pg	31.98	24.06	7.92	2.32
1 ng	29.32	20.83	8.49	2.89
100 ng	30.25	23.26	6.99	1.39

Treatment G	TLR4	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	35.42	24.33	11.09	0.00
1 pg	35.24	22.19	13.05	1.96
100 pg	35.57	24.06	11.51	0.42
1 ng	34.46	20.83	13.63	2.54
100 ng	34.18	23.26	10.92	-0.17

Treatment G	TLR5	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	31.95	24.33	7.62	0.00
1 pg	28.68	22.19	6.49	-1.12
100 pg	29.15	24.06	5.09	-2.52
1 ng	27.12	20.83	6.29	-1.32
100 ng	29.13	23.26	5.87	-1.74

Treatment G	TLR6	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	28.07	24.33	3.74	0.00
1 pg	27.33	22.19	5.14	1.41
100 pg	25.63	24.06	1.57	-2.16
1 ng	27.40	20.83	6.57	2.84
100 ng	28.91	23.26	5.65	1.92

Treatment G	TLR7	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	32.67	24.33	11.57	0.00
1 pg	30.16	22.19	8.38	-3.19
100 pg	33.36	24.06	10.84	-0.73
1 ng	31.09	20.83	11.26	-0.31
100 ng	34.68	23.26	11.05	-0.52

Treatment G	TLR8	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	28.64	24.33	4.31	0.00
1 pg	27.29	22.19	5.10	0.79
100 pg	29.81	24.06	5.75	1.44
1 ng	27.18	20.83	6.35	2.04
100 ng	28.83	23.26	5.57	1.26

Treatment G	TLR10	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	27.64	24.33	3.31	0.00
1 pg	26.83	22.19	4.64	1.33
100 pg	28.37	24.06	4.32	1.00
1 ng	27.32	20.83	6.49	3.18
100 ng	27.89	23.26	4.64	1.32

Treatment G	Trif	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	33.28	24.33	8.94	0.00
1 pg	32.70	22.19	10.52	1.57
100 pg	33.15	24.06	9.09	0.15
1 ng	31.64	20.83	10.81	1.87
100 ng	34.21	23.26	10.95	2.01

Treatment G	TRAF3	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	30.83	24.33	6.50	0.00
1 pg	30.00	22.19	7.81	1.31
100 pg	29.69	24.06	5.63	-0.87
1 ng	27.53	20.83	6.71	0.20
100 ng	30.63	23.26	7.38	0.87

Treatment G	TRAF6	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	29.50	24.33	5.17	0.00
1 pg	29.51	22.19	7.32	2.15
100 pg	28.58	24.06	4.53	-0.65
1 ng	27.33	20.83	6.50	1.33
100 ng	30.28	23.26	7.02	1.85

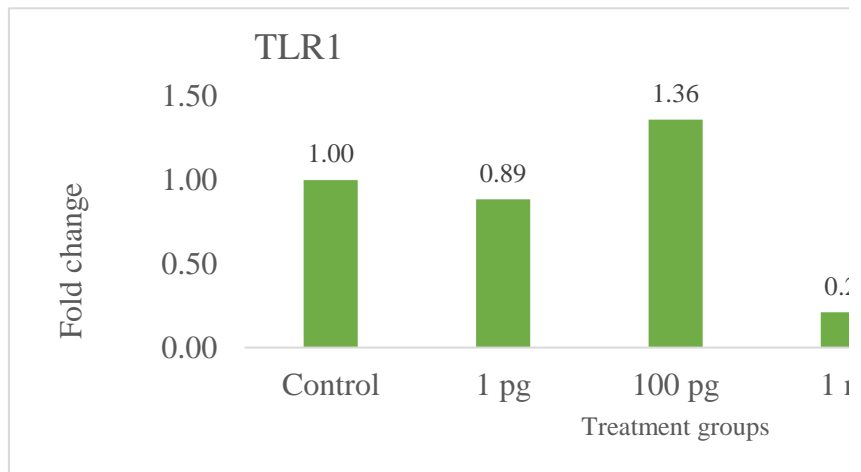
Treatment Group	TLR9	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	27.62	24.33	3.29	0.00
1 pg	30.03	22.19	7.84	4.56
100 pg	28.87	24.06	4.81	1.53
1 ng	27.65	20.83	6.82	3.54
100 ng	27.63	23.26	4.37	1.09

Treatment Group	MYD88	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	32.62	24.33	8.28	0.00
1 pg	31.20	22.19	9.01	0.73
100 pg	31.90	24.06	7.84	-0.44
1 ng	31.46	20.83	10.63	2.35
100 ng	32.89	23.26	9.63	1.34

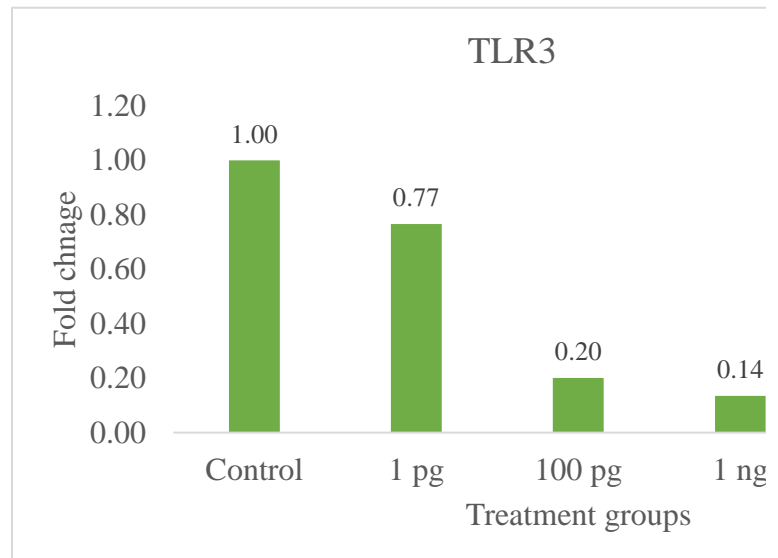
Treatment Group	IRAK4	GAPDH	ΔCq	$\Delta\Delta Cq$
Control	28.30	24.33	3.97	0.00
1 pg	27.70	22.19	5.52	1.55
100 pg	26.16	24.06	2.10	-1.86
1 ng	26.99	20.83	6.17	2.20
100 ng	28.60	23.26	5.34	1.37

Sr. No.	Treatment Details	Control	1pg	100pg	1ng	100ng
1	TLR1	1	0.89	1.36	0.21	0.72
2	TLR2	1	1.43	3.69	0.36	0.65
3	TLR3	1	0.77	0.2	0.14	0.38
4	TLR4	1	0.26	0.75	0.17	1.13
5	TLR5	1	2.18	5.75	2.5	3.35
6	TLR6	1	0.38	4.48	0.14	0.27
7	TLR7	1	9.09	1.66	1.24	1.43
8	TLR8	1	0.58	0.37	0.24	0.42
9	TLR9	1	0.04	0.35	0.09	0.47
10	TLR10	1	0.4	0.5	0.11	0.4
11	MYD88	1	0.6	1.36	0.2	0.39
13	TRAF6	1	0.23	1.56	0.4	0.28
14	TRAF3	1	0.4	1.83	0.87	0.55
15	TRIF	1	0.34	0.9	0.27	0.25
16	IRAK4	1	0.34	3.64	0.22	0.39

Fold change $2^{-\Delta\Delta Cq}$
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1.36
0.21
0.72

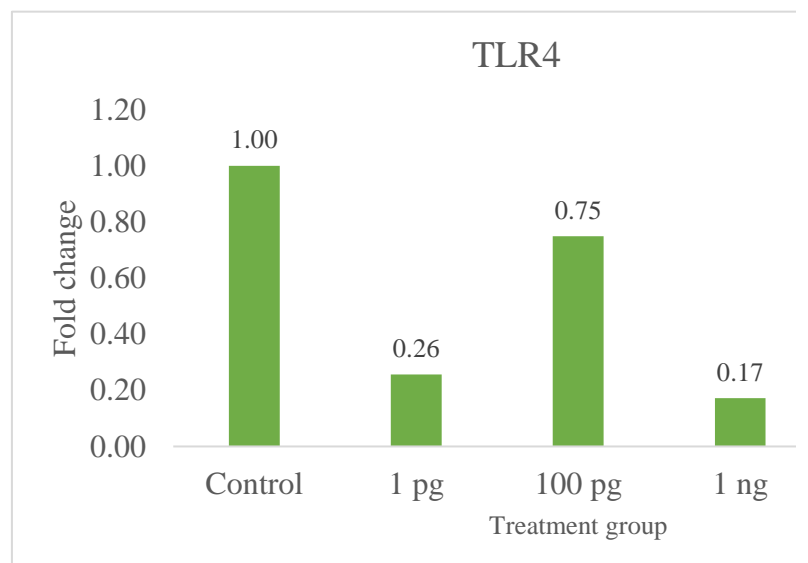


Fold change $2^{-\Delta\Delta Cq}$
1.00
1.43
3.69
0.36
0.65



Fold change $2^{-\Delta\Delta Cq}$
1.00
0.77
0.20
0.14
0.38

Fold change $2^{-\Delta\Delta Cq}$
1.00
0.26
0.75
0.17
1.13



Fold change $2^{-\Delta\Delta Cq}$
1.00
2.18
5.75
2.50
3.35

Fold change $2^{-\Delta\Delta Cq}$
1.00
0.38
4.48
0.14
0.27

Fold change $2^{-\Delta\Delta Cq}$
1.00
9.09
1.66
1.24
1.43

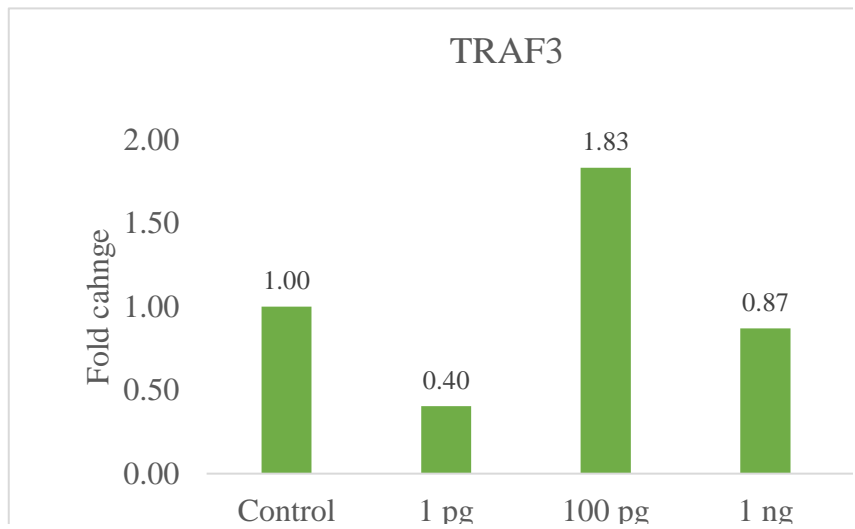
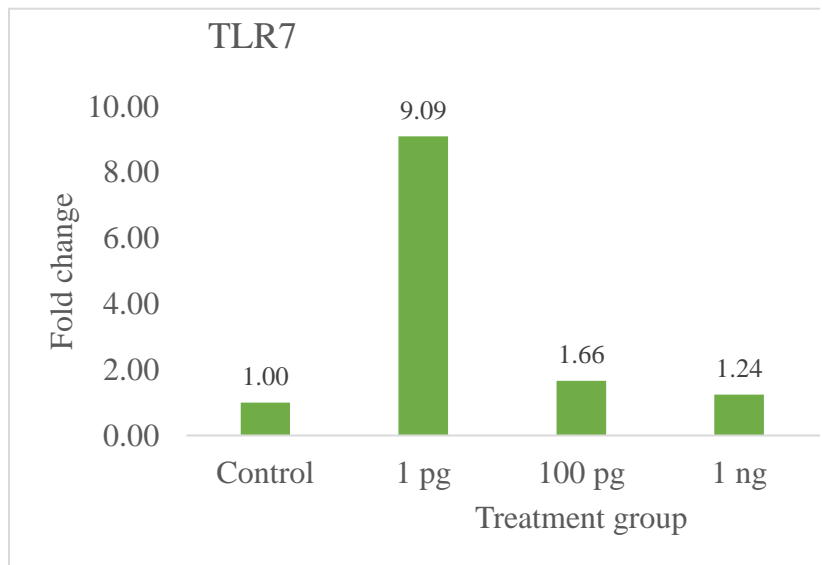
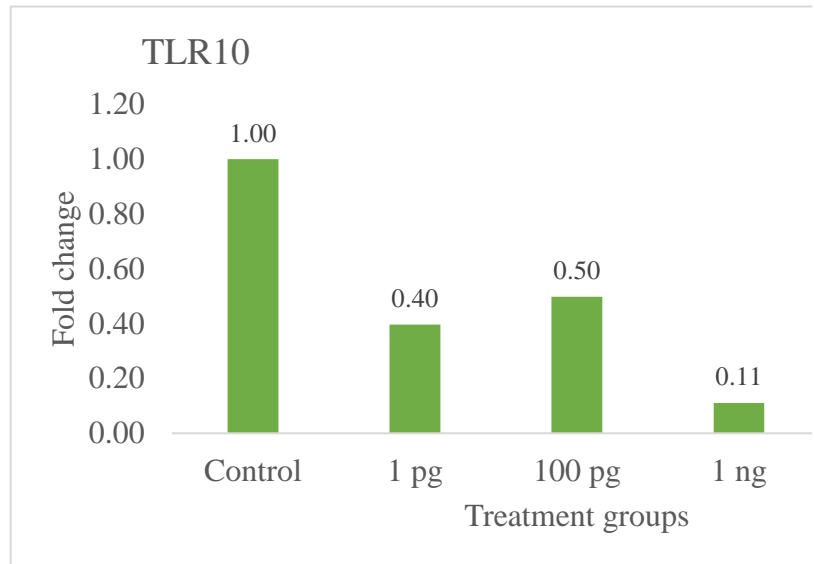
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0.37
0.24
0.42

Fold change $2^{-\Delta\Delta Cq}$
1.00
0.40
0.50
0.11
0.40

Fold change $2^{-\Delta\Delta Cq}$
1.00
0.34
0.90
0.27
0.25

Fold change $2^{-\Delta\Delta Cq}$
1.00
0.40
1.83
0.87
0.55

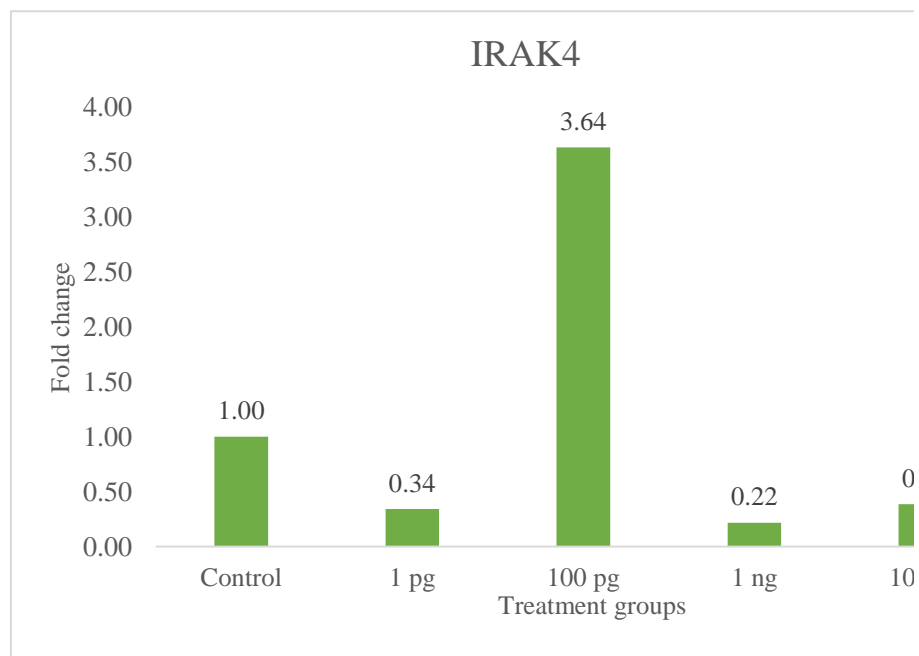
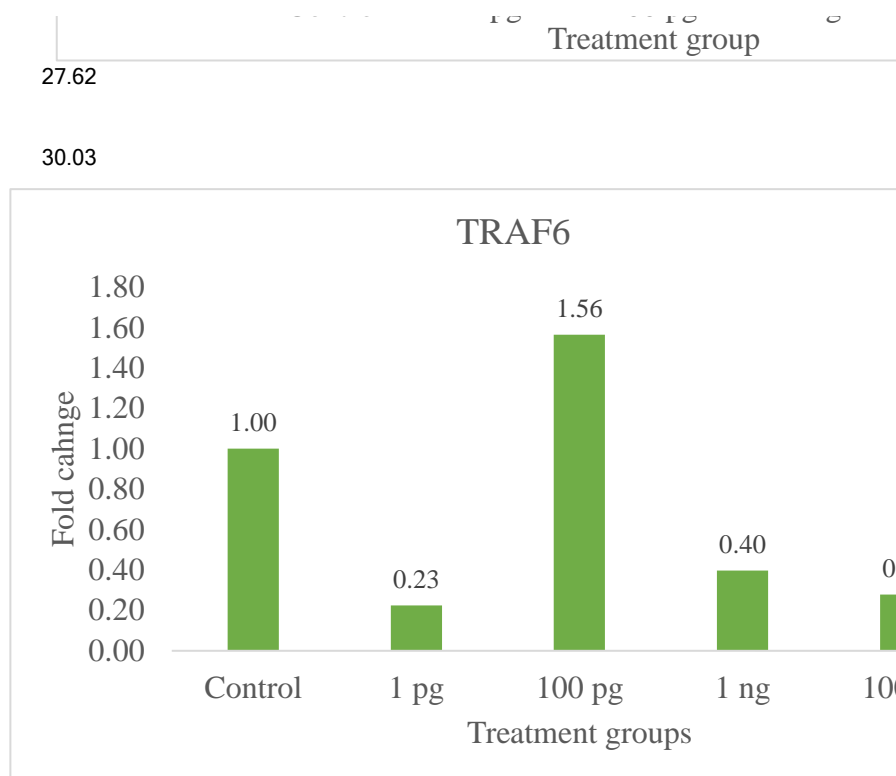
Fold change $2^{-\Delta\Delta Cq}$
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1.56
0.40
0.28

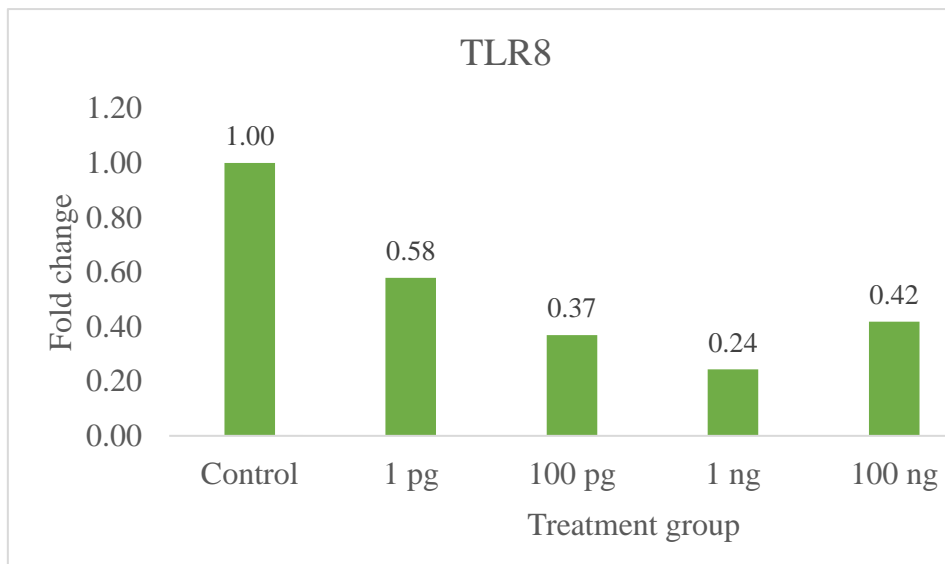
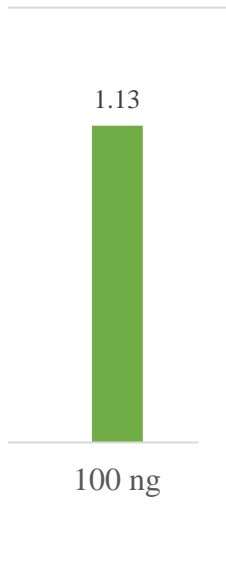
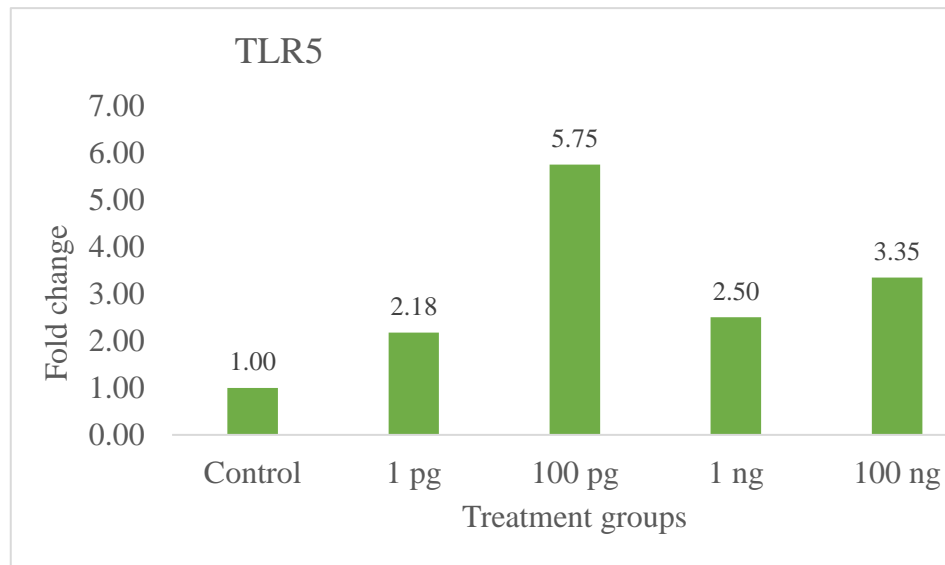
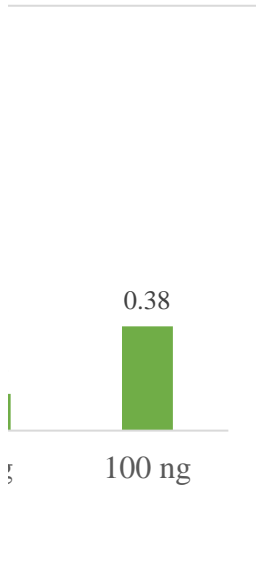
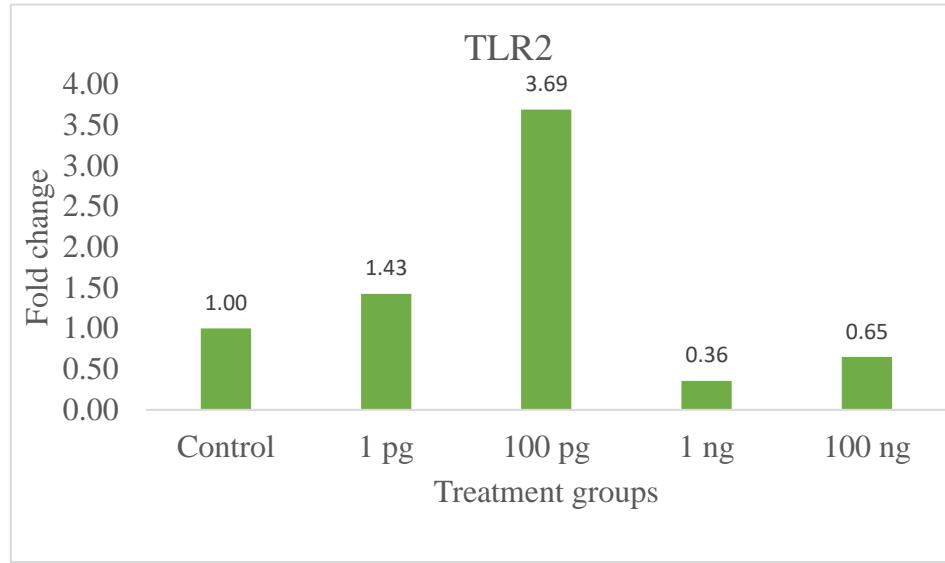


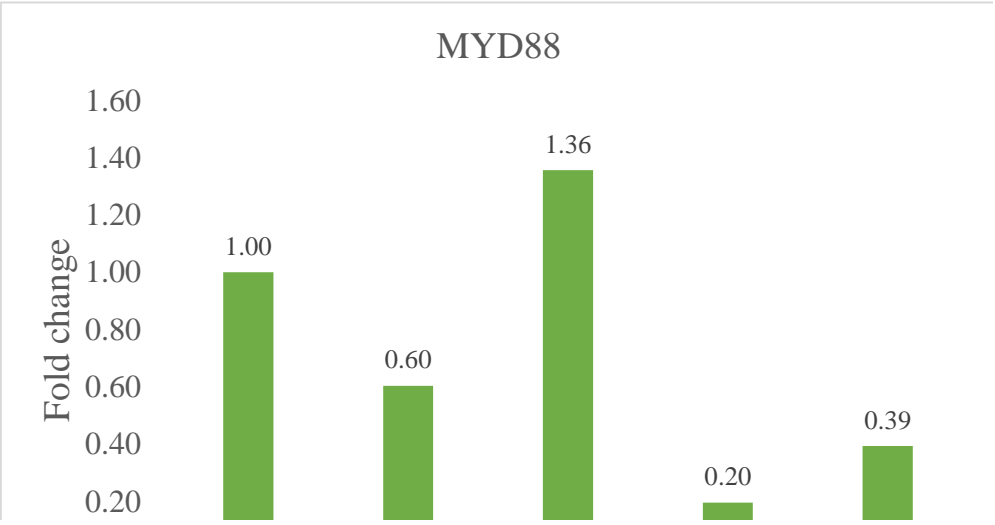
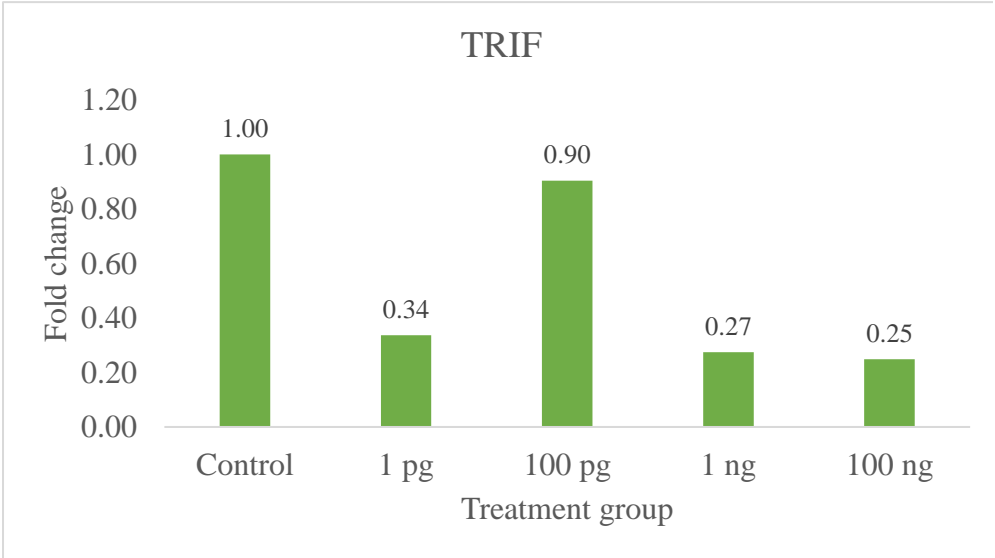
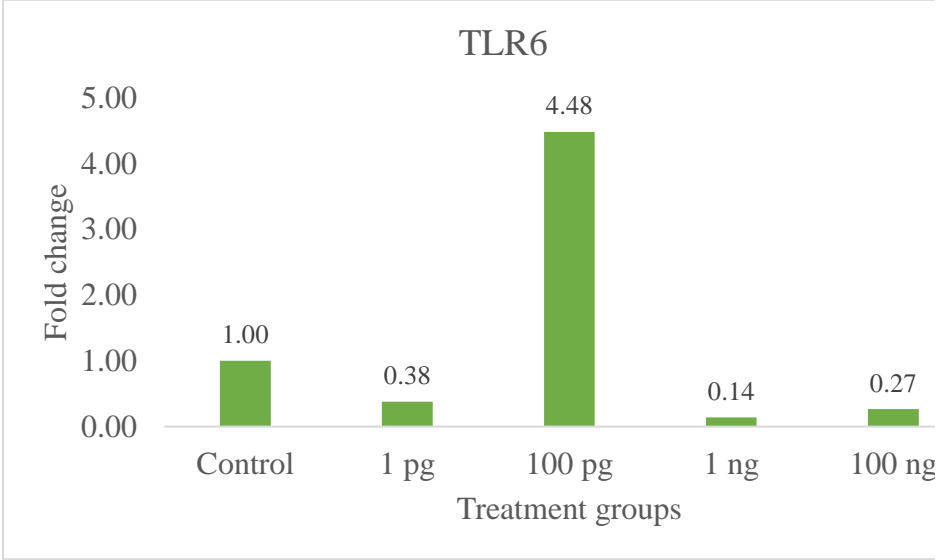
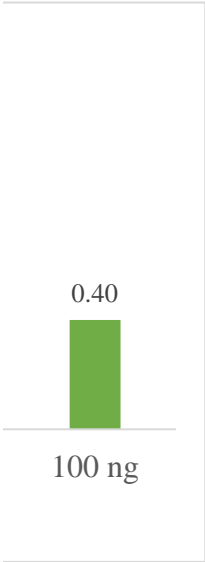
Fold change $2^{-\Delta\Delta Cq}$
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0.04
0.35
0.09
0.47

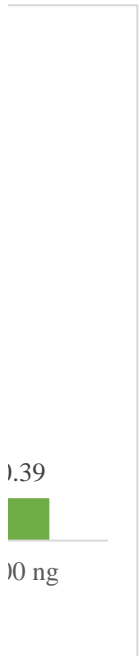
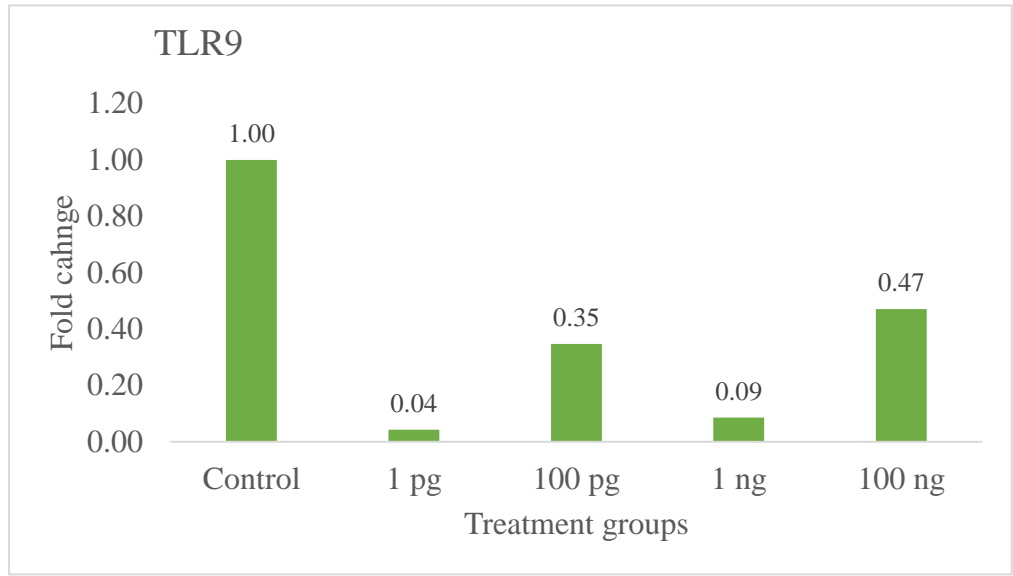
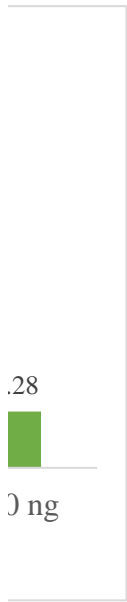
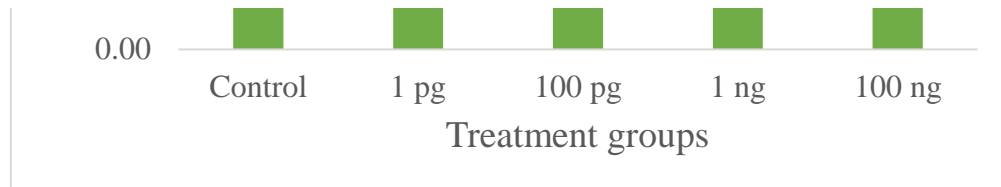
Fold change $2^{-\Delta\Delta Cq}$
1.00
0.60
1.36
0.20
0.39

Fold change $2^{-\Delta\Delta Cq}$
1.00
0.34
3.64
0.22
0.39









Treatment G	TLR1	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{-\Delta\Delta Cq}$
Control	29.30	24.56	4.74	0.00	1.00
1 pg	30.54	20.17	10.37	5.63	0.02
100 pg	29.47	22.61	6.86	2.12	0.23
1 ng	27.59	19.33	8.26	3.52	0.09
100 ng	29.64	22.33	7.31	2.57	0.17

Treatment G	TLR2	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{-\Delta\Delta Cq}$
Control	29.99	24.56	5.43	0.00	1.00
1 pg	30.61	20.17	10.44	5.01	0.03
100 pg	29.72	22.61	7.11	1.68	0.31
1 ng	28.39	19.33	9.06	3.63	0.08
100 ng	30.35	22.33	8.02	2.59	0.17

Treatment G	TLR3	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{-\Delta\Delta Cq}$
Control	33.74	24.56	9.18	0.00	1.00
1 pg	33.39	20.17	13.22	4.04	0.06
100 pg	32.55	22.61	9.94	0.76	0.59
1 ng	31.56	19.33	12.23	3.05	0.12
100 ng	33.59	22.33	11.26	2.08	0.24

Treatment G	TLR4	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{-\Delta\Delta Cq}$
Control	34.25	24.56	9.69	0.00	1.00
1 pg	35.44	20.17	15.27	5.58	0.02
100 pg	36.75	22.61	14.14	4.45	0.05
1 ng	34.19	19.33	14.86	5.17	0.03
100 ng	34.49	22.33	12.16	2.47	0.18

Treatment G	TLR5	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{-\Delta\Delta Cq}$
Control	32.03	24.56	7.47	0.00	1.00
1 pg	32.69	20.17	12.52	5.05	0.03
100 pg	30.53	22.61	7.92	0.45	0.73
1 ng	28.48	19.33	9.15	1.68	0.31
100 ng	32.60	22.33	10.27	2.80	0.14

Treatment G	TLR6	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{-\Delta\Delta Cq}$
Control	28.12	24.56	3.56	0.00	1.00
1 pg	27.06	20.17	6.89	3.33	0.10
100 pg	27.34	22.61	4.73	1.17	0.44
1 ng	27.58	19.33	8.25	4.69	0.04
100 ng	27.11	22.33	4.78	1.22	0.43

Treatment G	TLR7	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{-\Delta\Delta Cq}$
Control	33.32	24.56	8.76	0.00	1.00
1 pg	33.36	20.17	13.19	4.43	0.05
100 pg	34.67	22.61	12.06	3.30	0.10
1 ng	31.09	19.33	11.76	3.00	0.13
100 ng	32.63	22.33	10.30	1.53	0.35

Treatment G	TLR8	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{-\Delta\Delta Cq}$
Control	28.35	24.56	3.79	0.00	1.00
1 pg	27.39	20.17	7.22	3.43	0.09
100 pg	27.52	22.61	4.91	1.12	0.46
1 ng	28.41	19.33	9.08	5.29	0.03
100 ng	27.85	22.33	5.52	1.73	0.30

Treatment G	TLR10	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{-\Delta\Delta Cq}$
Control	27.95	24.56	3.39	0.00	1.00
1 pg	26.96	20.17	6.79	3.40	0.09
100 pg	27.04	22.61	4.43	1.04	0.49
1 ng	26.21	19.33	6.88	3.49	0.09
100 ng	26.62	22.33	4.29	0.90	0.54

Treatment G	Trif	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{-\Delta\Delta Cq}$
Control	33.48	24.56	8.92	0.00	1.00
1 pg	34.24	20.17	14.07	5.15	0.03
100 pg	32.22	22.61	9.61	0.70	0.62
1 ng	33.46	19.33	14.13	5.21	0.03
100 ng	32.45	22.33	10.12	1.20	0.44

Treatment G	TRAF3	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{-\Delta\Delta Cq}$
Control	30.40	24.56	5.84	0.00	1.00
1 pg	28.89	20.17	8.72	2.88	0.14
100 pg	28.76	22.61	6.15	0.31	0.81
1 ng	29.46	19.33	10.13	4.30	0.05
100 ng	30.53	22.33	8.20	2.36	0.19

Treatment G	TRAF6	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{-\Delta\Delta Cq}$
Control	28.53	24.56	3.97	0.00	1.00
1 pg	27.57	20.17	7.40	3.43	0.09
100 pg	28.27	22.61	5.66	1.68	0.31

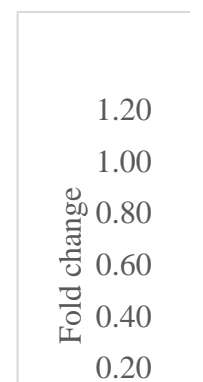
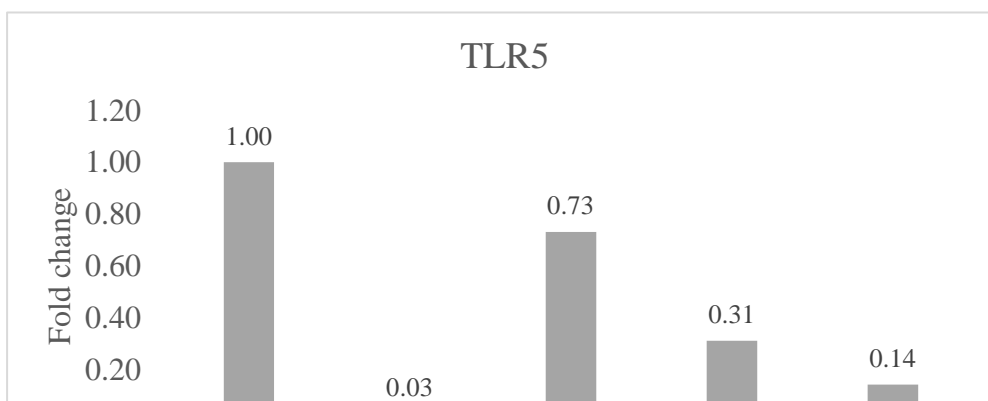
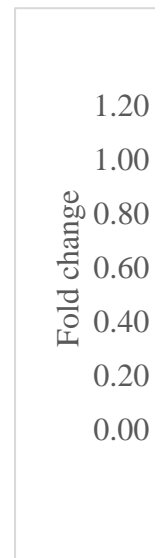
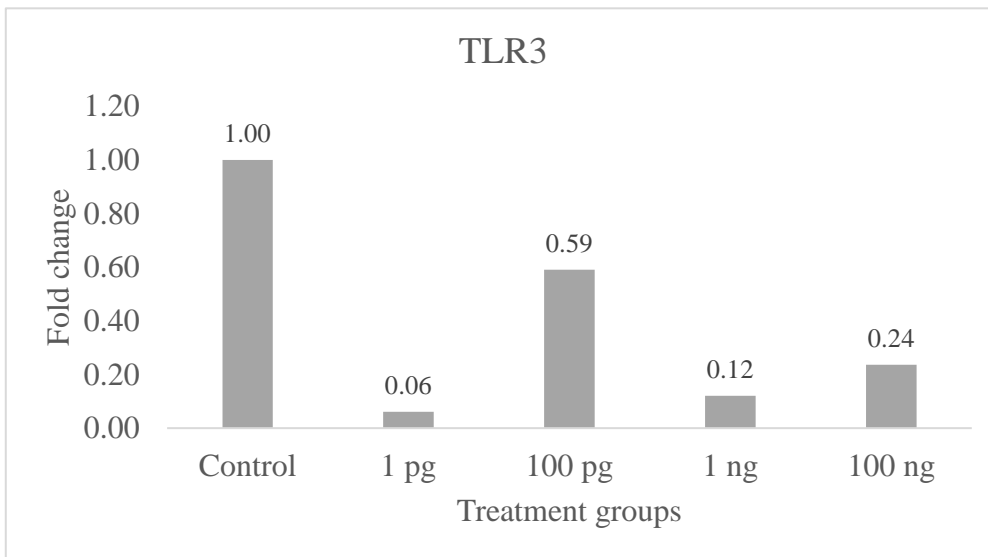
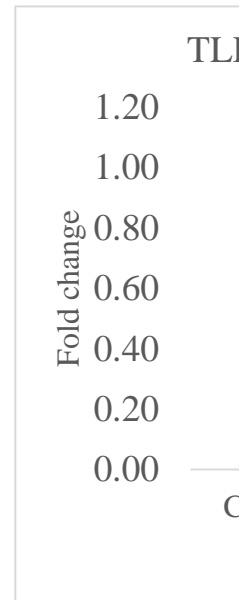
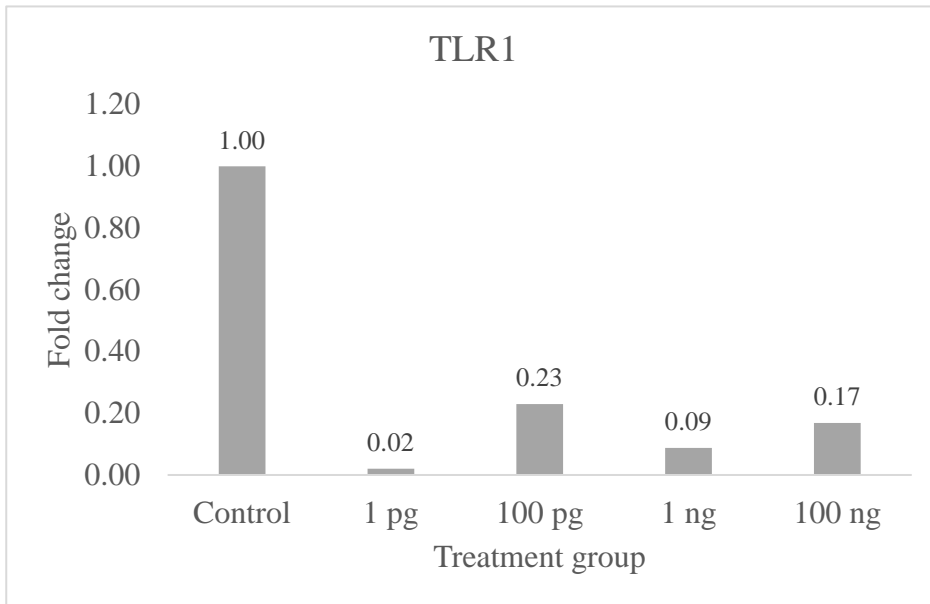
1 ng	29.74	19.33	10.41	6.43	0.01
100 ng	29.74	22.33	7.41	3.43	0.09

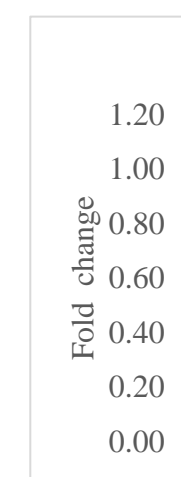
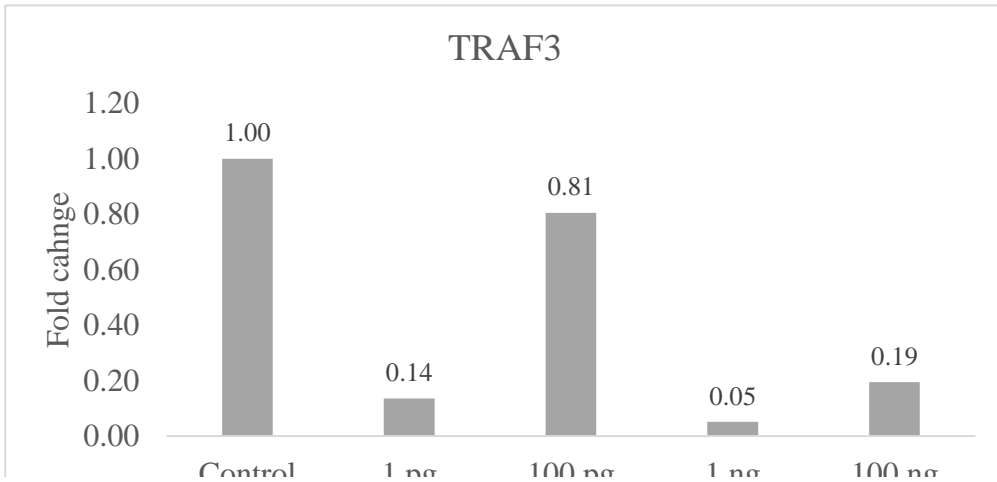
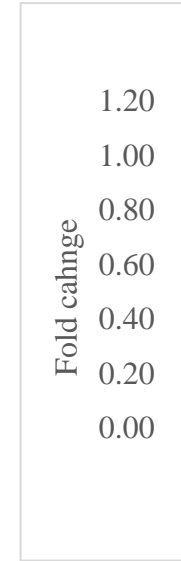
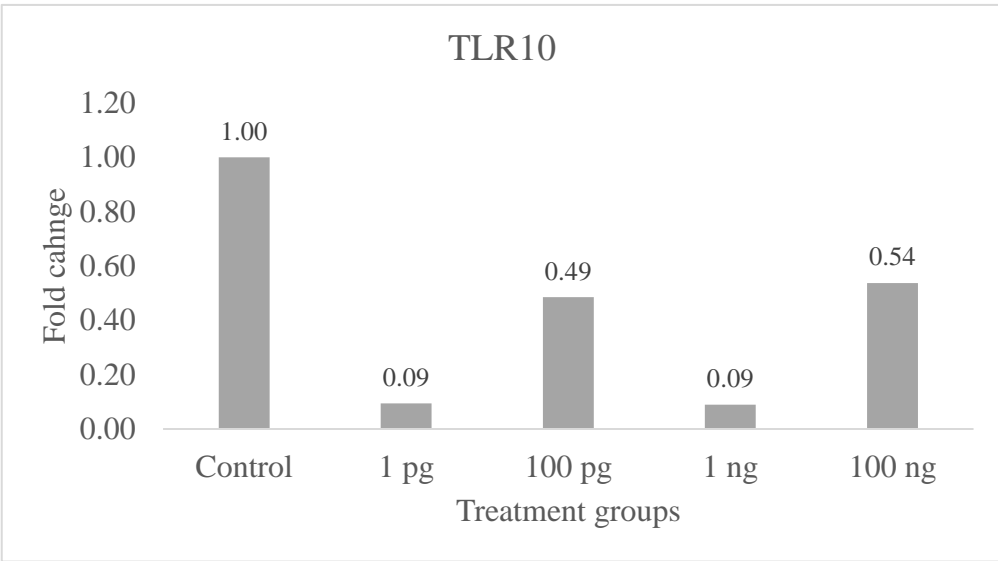
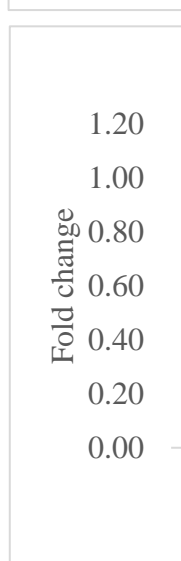
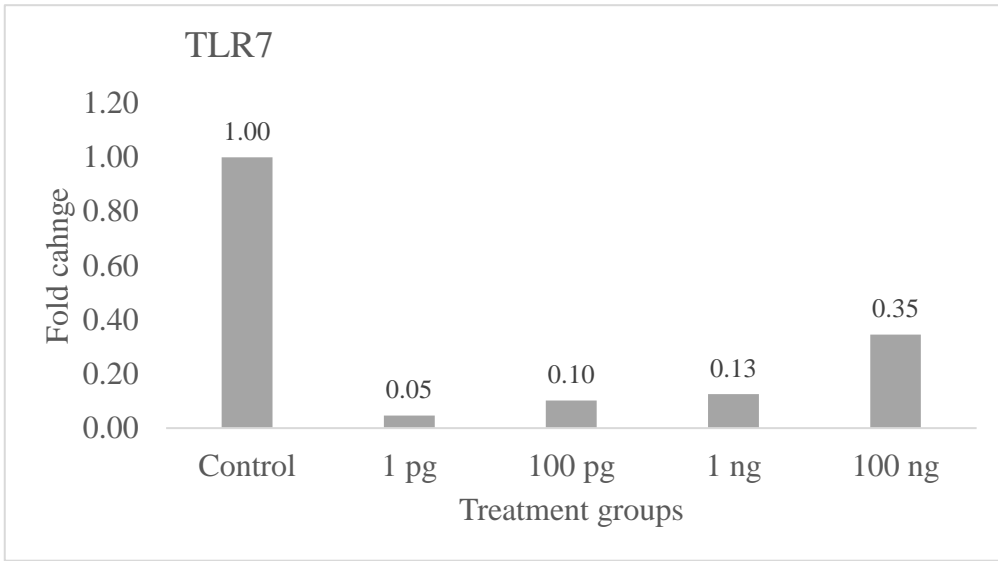
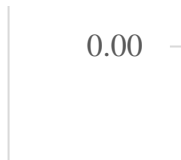
Treatment Group	TLR9	GAPDH	ΔCq	$\Delta\Delta Cq$	Change $2^{-\Delta\Delta Cq}$
Control	28.51	24.56	3.95	0.00	1.00
1 pg	29.42	20.17	9.25	5.30	0.03
100 pg	29.12	22.61	6.51	2.56	0.17
1 ng	33.40	19.33	14.07	10.12	0.00
100 ng	33.29	22.33	10.96	7.01	0.01

Treatment Group	MYD88	GAPDH	ΔCq	$\Delta\Delta Cq$	Change $2^{-\Delta\Delta Cq}$
Control	31.94	24.56	7.38	0.00	1.00
1 pg	29.72	20.17	9.55	2.17	0.22
100 pg	29.13	22.61	6.52	-0.86	1.81
1 ng	29.19	19.33	9.86	2.49	0.18
100 ng	27.81	22.33	5.48	-1.90	3.73

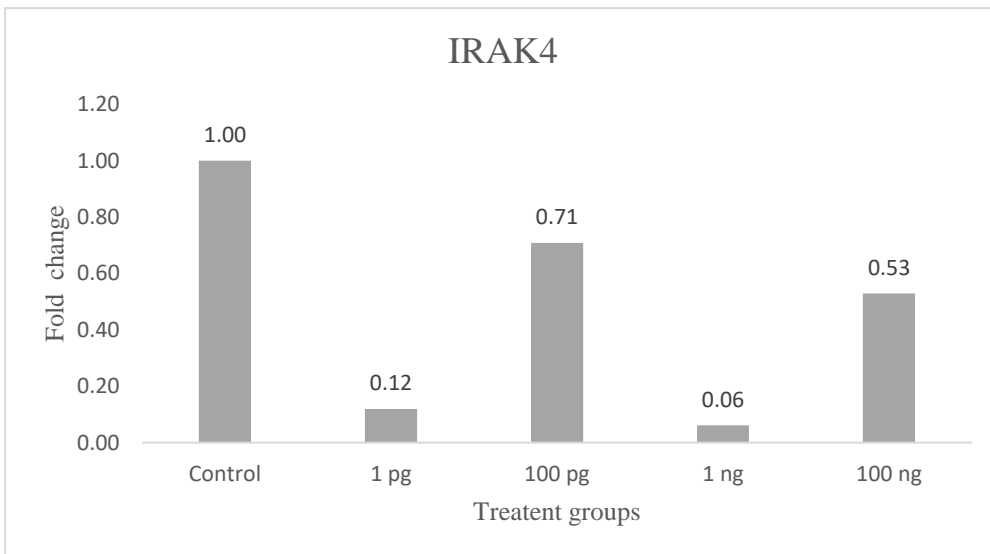
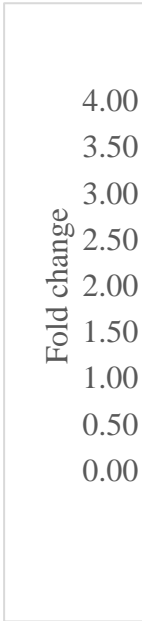
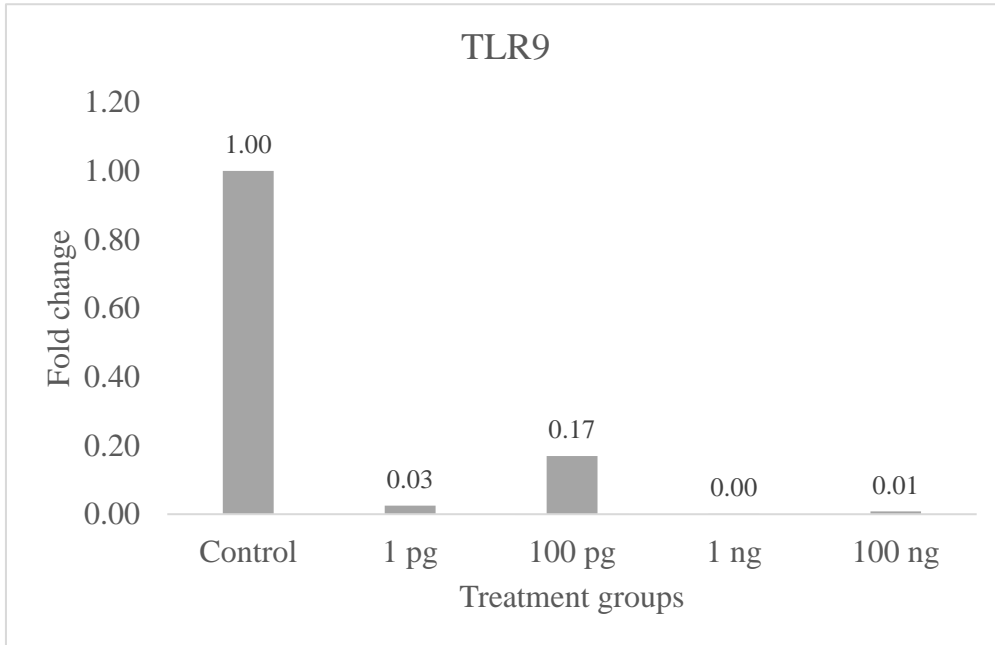
Treatment Group	IRAK4	GAPDH	ΔCq	$\Delta\Delta Cq$	Change $2^{-\Delta\Delta Cq}$
Control	29.07	24.56	4.51	0.00	1.00
1 pg	27.74	20.17	7.57	3.06	0.12
100 pg	27.61	22.61	5.00	0.50	0.71
1 ng	27.87	19.33	8.54	4.04	0.06
100 ng	27.75	22.33	5.42	0.92	0.53

Sr. No.	Treatment Details	Control	1pg	100pg	1ng	100ng
1	TLR1	1	0.02	0.23	0.09	0.17
2	TLR2	1	0.03	0.31	0.08	0.17
3	TLR3	1	0.06	0.59	0.12	0.24
4	TLR4	1	0.02	0.05	0.03	0.18
5	TLR5	1	0.03	0.73	0.31	0.14
6	TLR6	1	0.10	0.44	0.04	0.43
7	TLR7	1	0.05	0.10	0.13	0.35
8	TLR8	1	0.09	0.46	0.03	0.30
9	TLR9	1	0.03	0.17	0.00	0.01
10	TLR10	1	0.09	0.49	0.09	0.54
11	MYD88	1	0.22	1.81	0.18	3.73
13	TRAF6	1	0.09	0.31	0.01	0.09
14	TRAF3	1	0.14	0.81	0.05	0.19
15	TRIF	1	0.03	0.62	0.03	0.44
16	IRAK4	1	0.12	0.71	0.06	0.53

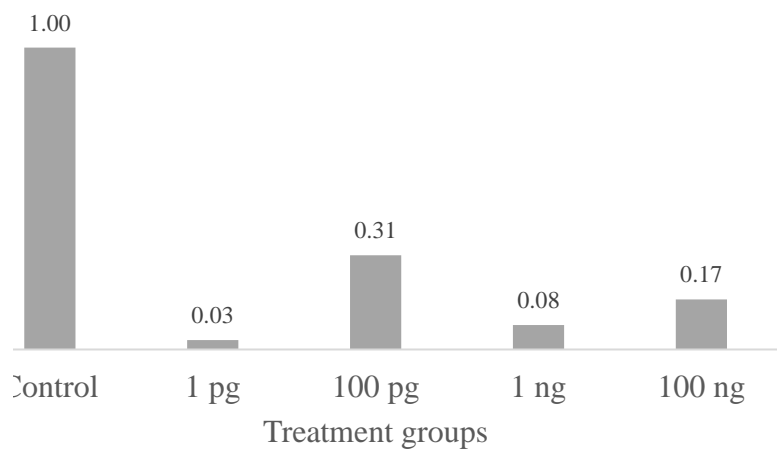




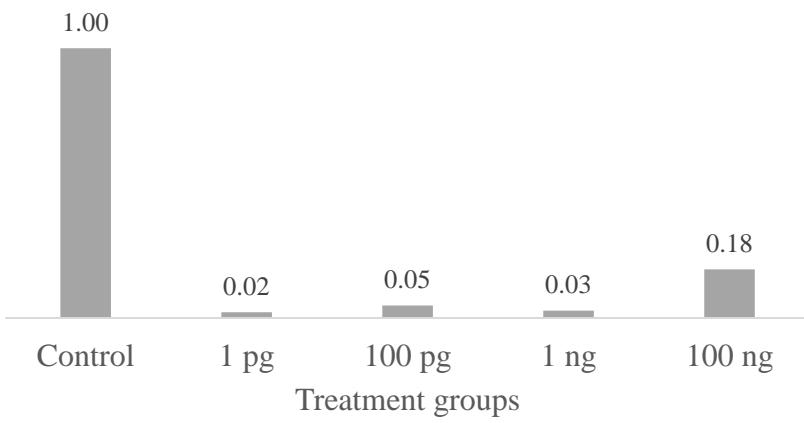
Control 1 pg 100 pg 1 ng 100 ng
Treatment groups



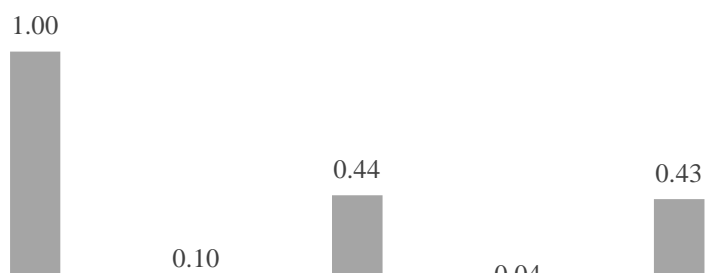
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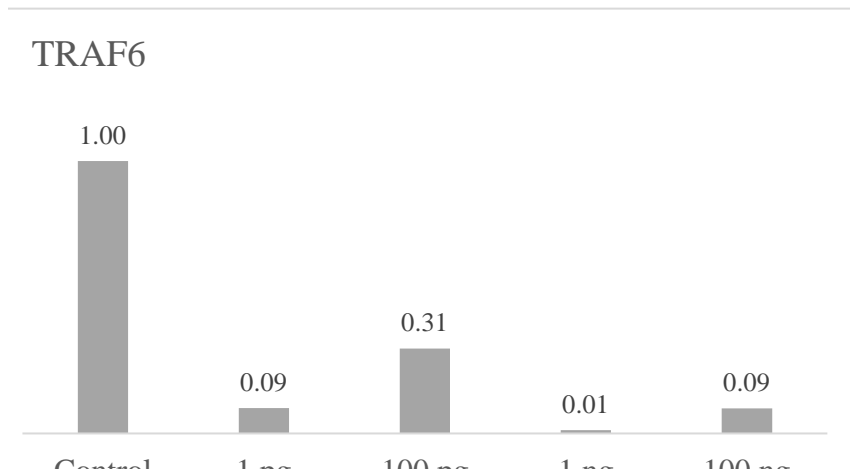
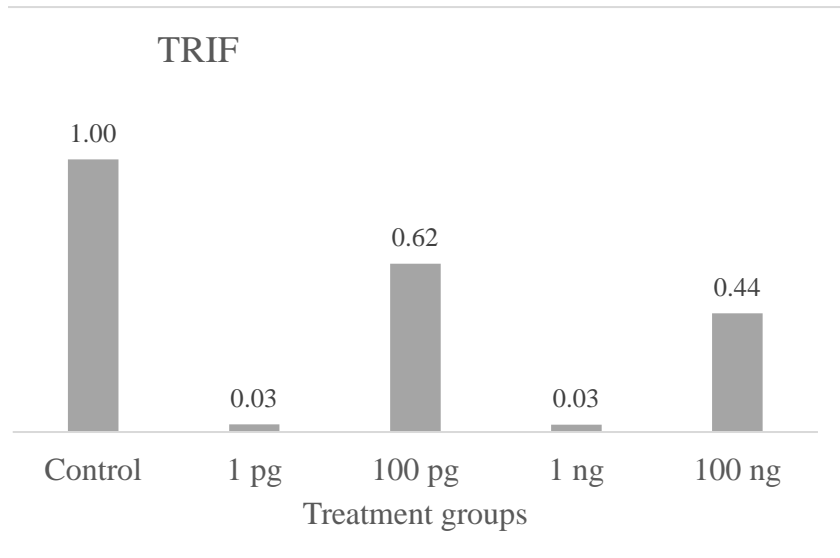
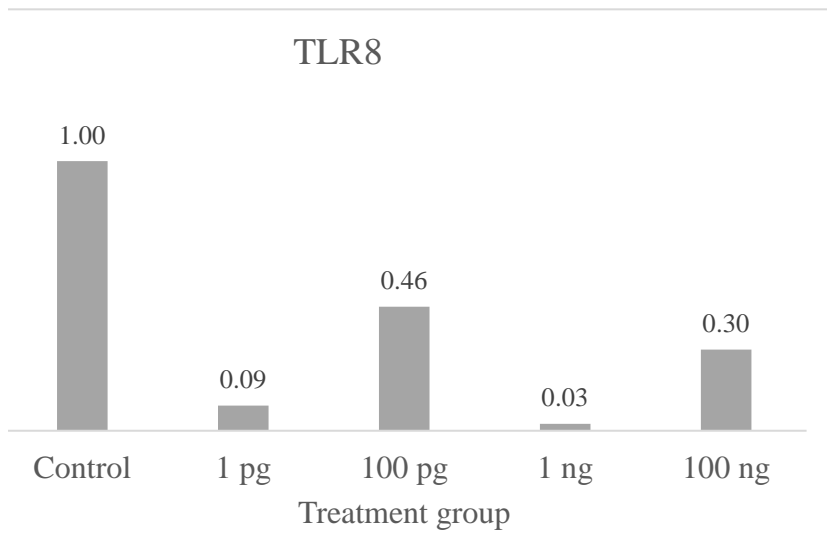
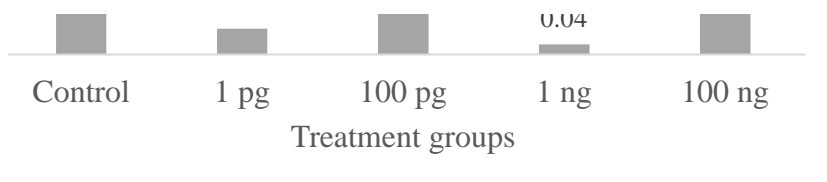


TLR4



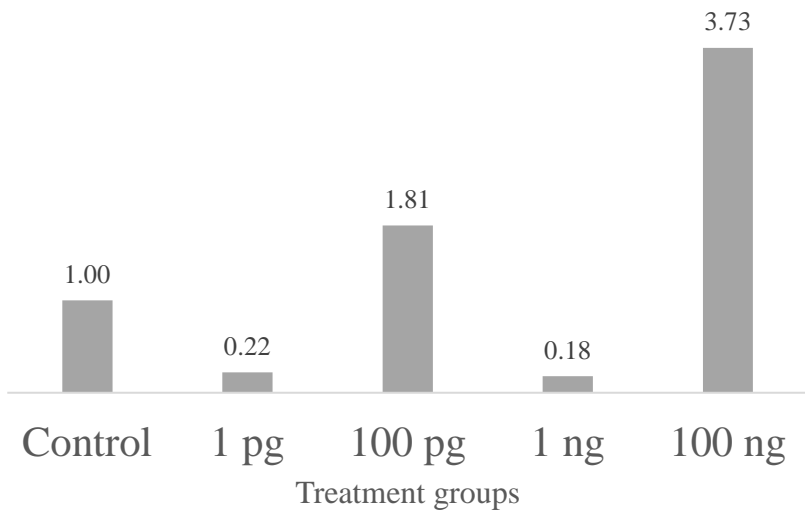
TLR6





Control 1 pg 100 pg 1 ng 100 ng
Treatment groups

MYD88



Treatment Group	TLR1	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	28.01	24.52	3.49	0.00	1.00
1 pg	30.77	24.77	6.00	2.51	0.18
100 pg	29.76	24.53	5.23	1.75	0.30
1 ng	33.55	24.51	9.04	5.56	0.02
100 ng	33.75	23.83	9.92	6.44	0.01

Treatment Group	TLR6	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	28.42	24.52	3.90	0.00	1.00
1 pg	30.25	24.77	5.48	1.58	0.33
100 pg	32.27	24.53	7.74	3.85	0.07
1 ng	32.27	24.51	7.77	3.87	0.07
100 ng	32.10	23.83	8.27	4.37	0.05

Treatment Group	TLR2	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	29.49	24.52	4.97	0.00	1.00
1 pg	31.66	24.77	6.89	1.92	0.26
100 pg	32.12	24.53	7.59	2.62	0.16
1 ng	29.02	24.51	4.51	-0.45	1.37
100 ng	33.94	23.83	10.11	5.14	0.03

Treatment Group	TLR3	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	28.06	24.52	3.53	0.00	1.00
1 pg	29.23	24.77	4.46	0.93	0.53
100 pg	30.28	24.53	5.75	2.21	0.22
1 ng	28.54	24.51	4.03	0.50	0.71
100 ng	33.35	23.83	9.52	5.99	0.02

Treatment Group	TLR4	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	28.46	24.52	3.93	0.00	1.00
1 pg	32.60	24.77	7.83	3.90	0.07
100 pg	29.42	24.53	4.89	0.95	0.52
1 ng	34.08	24.51	9.57	5.64	0.02
100 ng	33.21	23.83	9.38	5.45	0.02

Treatment Group	TLR5	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	27.25	24.52	2.73	0.00	1.00
1 pg	29.71	24.77	4.94	2.21	0.22
100 pg	32.14	24.53	7.61	4.89	0.03
1 ng	27.11	24.51	2.61	-0.12	1.09
100 ng	33.73	23.83	9.90	7.18	0.01

Treatment Group	TLR7	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	26.40	24.52	1.87	0.00	1.00
1 pg	31.92	24.77	7.15	5.28	0.03
100 pg	32.44	24.53	7.91	6.04	0.02
1 ng	28.53	24.51	4.02	2.15	0.23
100 ng	32.93	23.83	9.10	7.23	0.01

Treatment Group	TLR8	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	29.23	24.52	4.71	0.00	1.00
1 pg	32.29	24.77	7.51	2.81	0.14
100 pg	34.50	24.53	9.97	5.27	0.03
1 ng	28.93	24.51	4.42	-0.28	1.22
100 ng	33.10	23.83	9.27	4.56	0.04

Treatment Group	TLR10	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	29.57	24.52	5.05	0.00	1.00
1 pg	30.77	24.77	6.00	0.96	0.51
100 pg	32.51	24.53	7.98	2.94	0.13
1 ng	30.12	24.51	5.61	0.57	0.68
100 ng	34.07	23.83	10.24	5.19	0.03

Treatment Group	MYD88	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	29.64	24.52	5.11	0.00	1.00
1 pg	32.07	24.77	7.30	2.18	0.22
100 pg	31.71	24.53	7.18	2.06	0.24
1 ng	30.73	24.51	6.22	1.11	0.46
100 ng	31.72	23.83	7.89	2.77	0.15

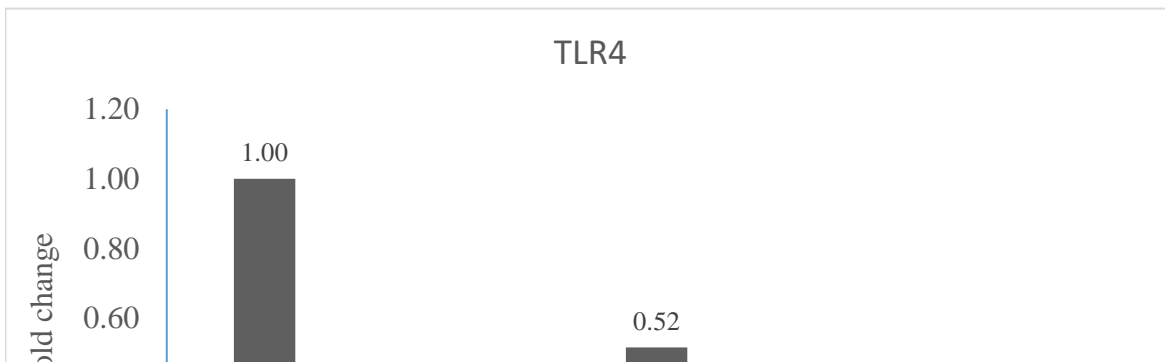
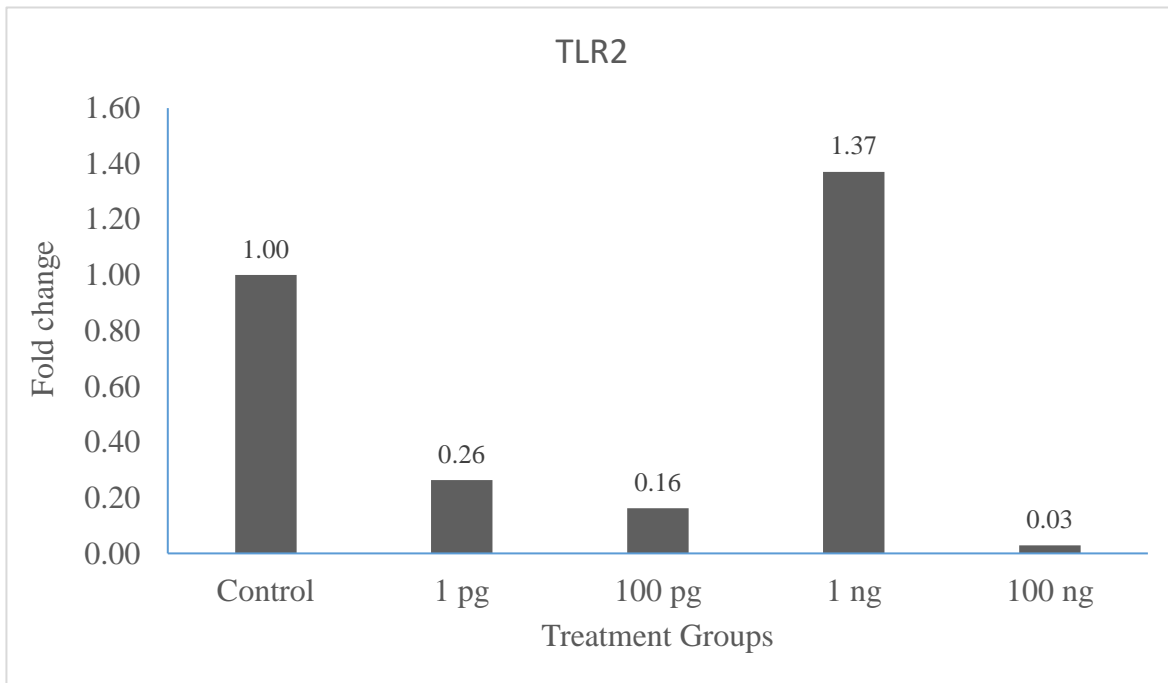
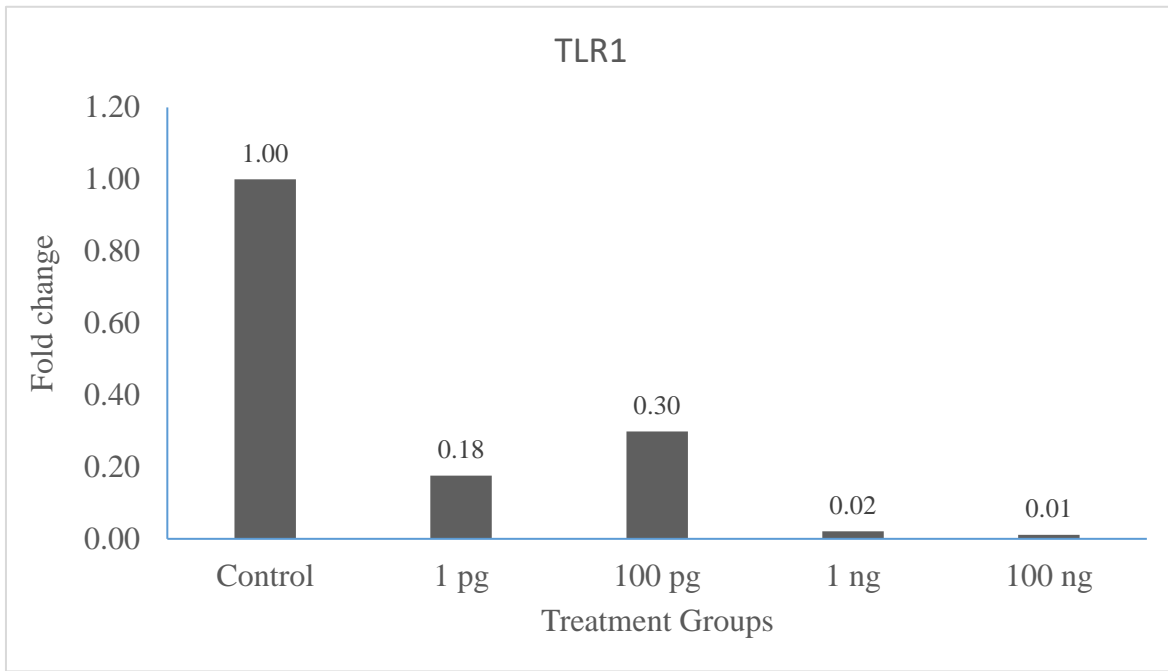
Treatment Group	TRAF6	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	30.69	24.52	6.17	0.00	1.00
1 pg	30.75	24.77	5.98	-0.18	1.14
100 pg	33.34	24.53	8.81	2.64	0.16
1 ng	31.19	24.51	6.68	0.52	0.70
100 ng	31.87	23.83	8.04	1.88	0.27

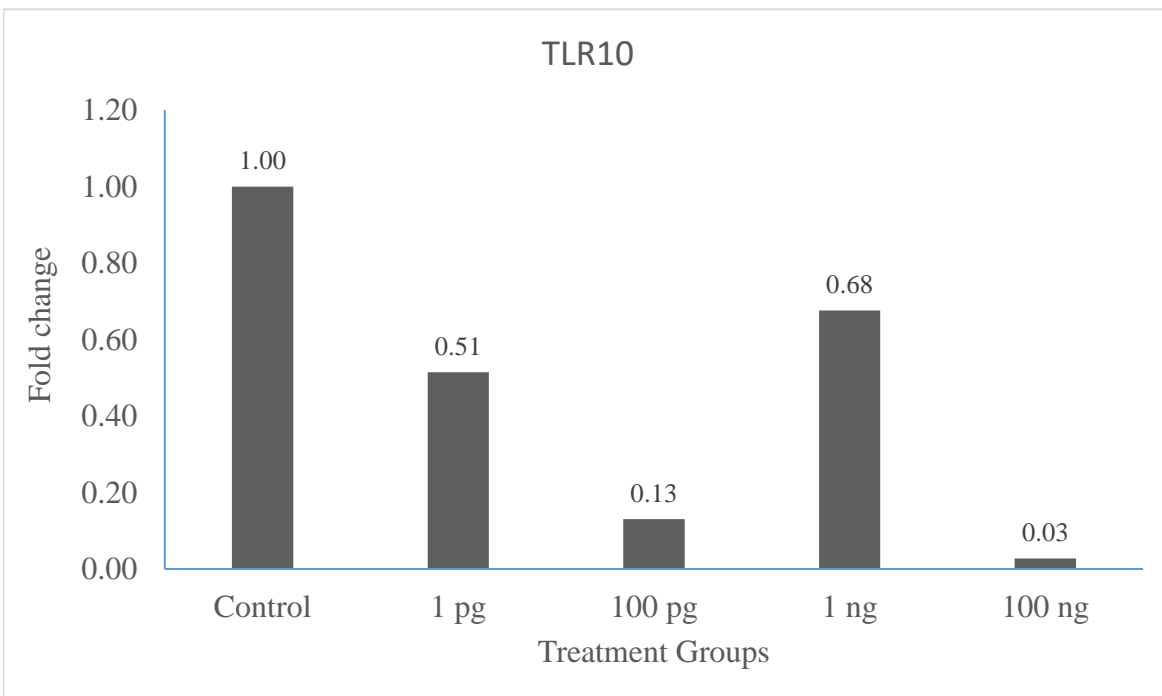
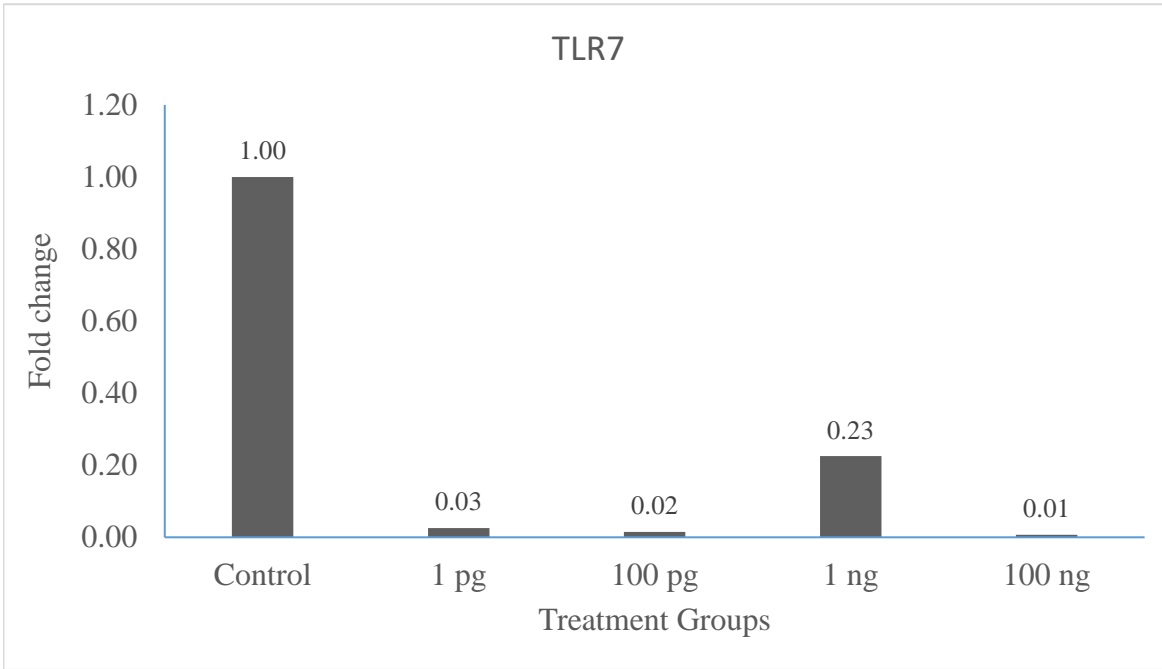
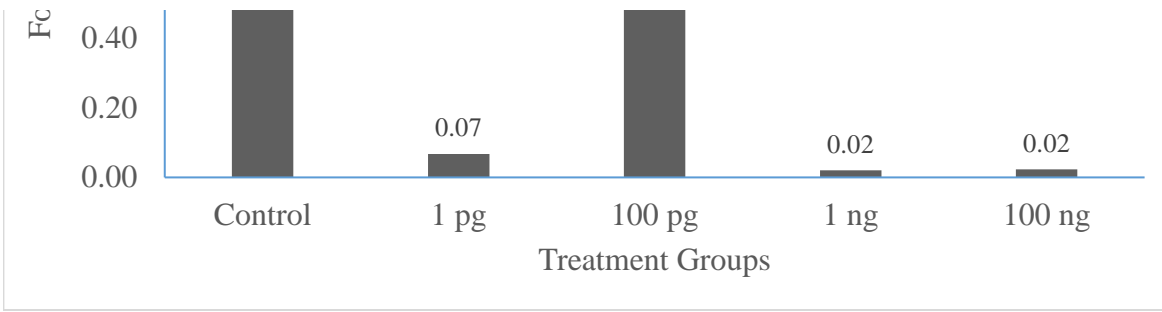
Treatment Group	TRAF3	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	30.87	24.52	6.35	0.00	1.00
1 pg	30.41	24.77	5.64	-0.71	1.63
100 pg	31.58	24.53	7.05	0.71	0.61
1 ng	31.65	24.51	7.14	0.80	0.57
100 ng	31.38	23.83	7.55	1.20	0.43

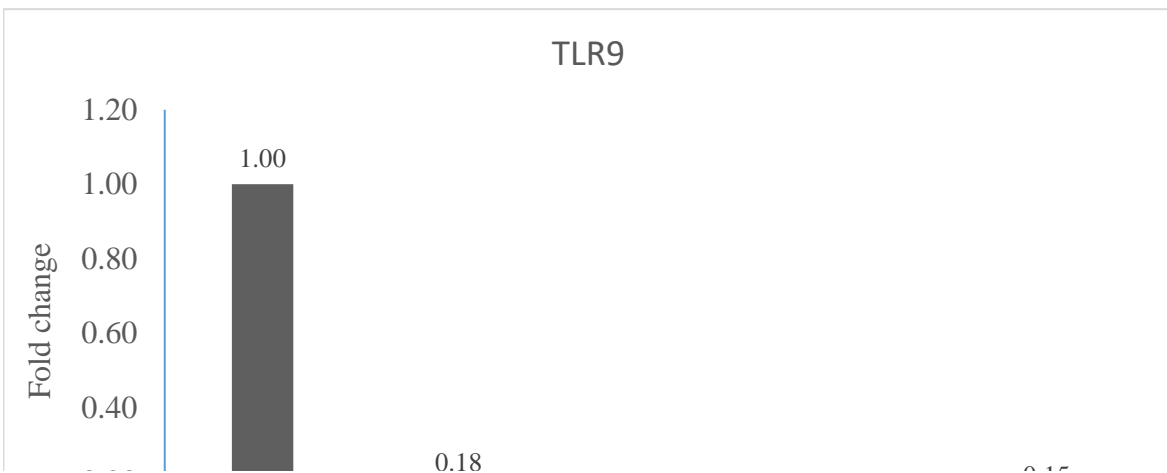
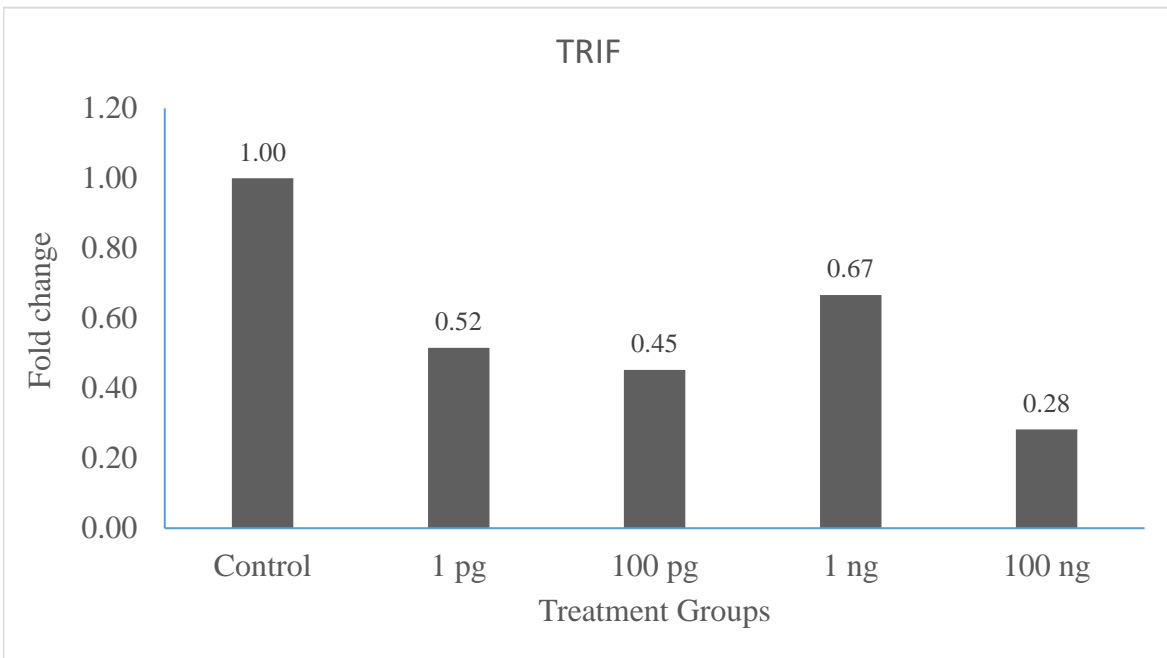
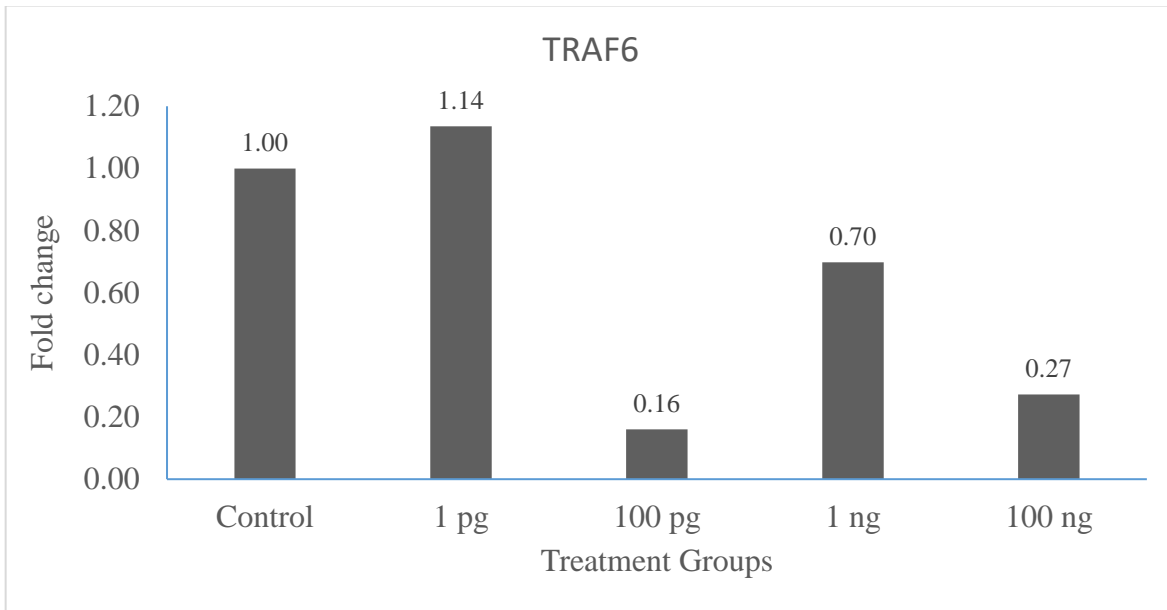
Treatment Group	TRIF	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$
Control	34.08	24.52	9.56	0.00	1.00
1 pg	35.29	24.77	10.52	0.96	0.52
100 pg	35.23	24.53	10.70	1.14	0.45
1 ng	34.65	24.51	10.15	0.59	0.67
100 ng	35.22	23.83	11.39	1.83	0.28

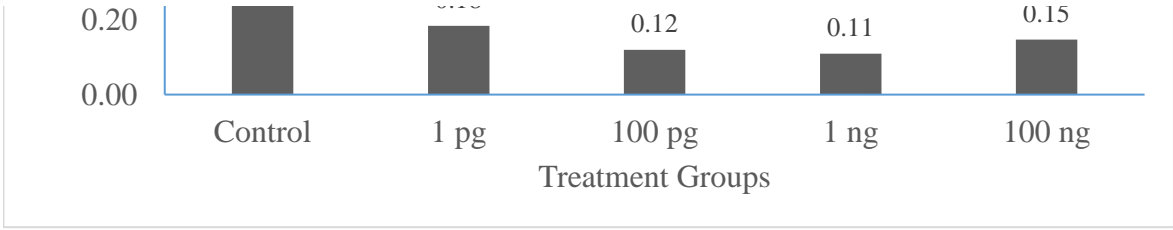
Treatment Group	IARK4	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$
Control	28.03	24.52	3.51	0.00	1.00
1 pg	30.19	24.77	5.42	1.91	0.27
100 pg	29.98	24.53	5.45	1.94	0.26
1 ng	29.03	24.51	4.53	1.02	0.49
100 ng	29.85	23.83	6.02	2.52	0.17

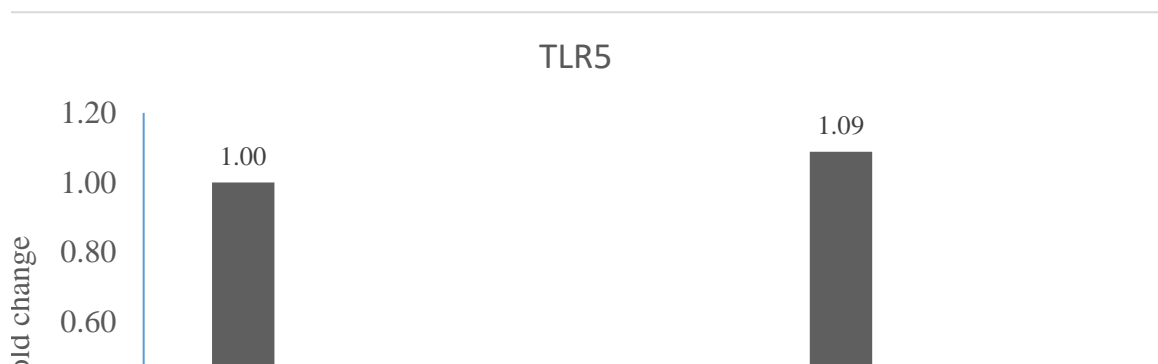
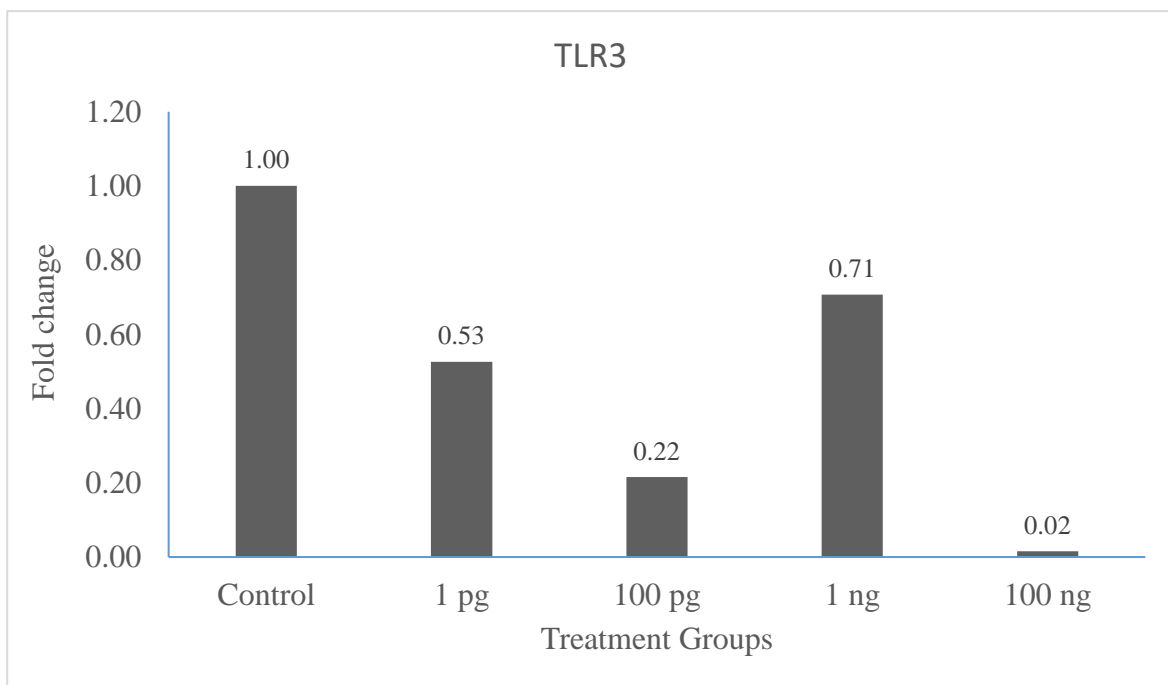
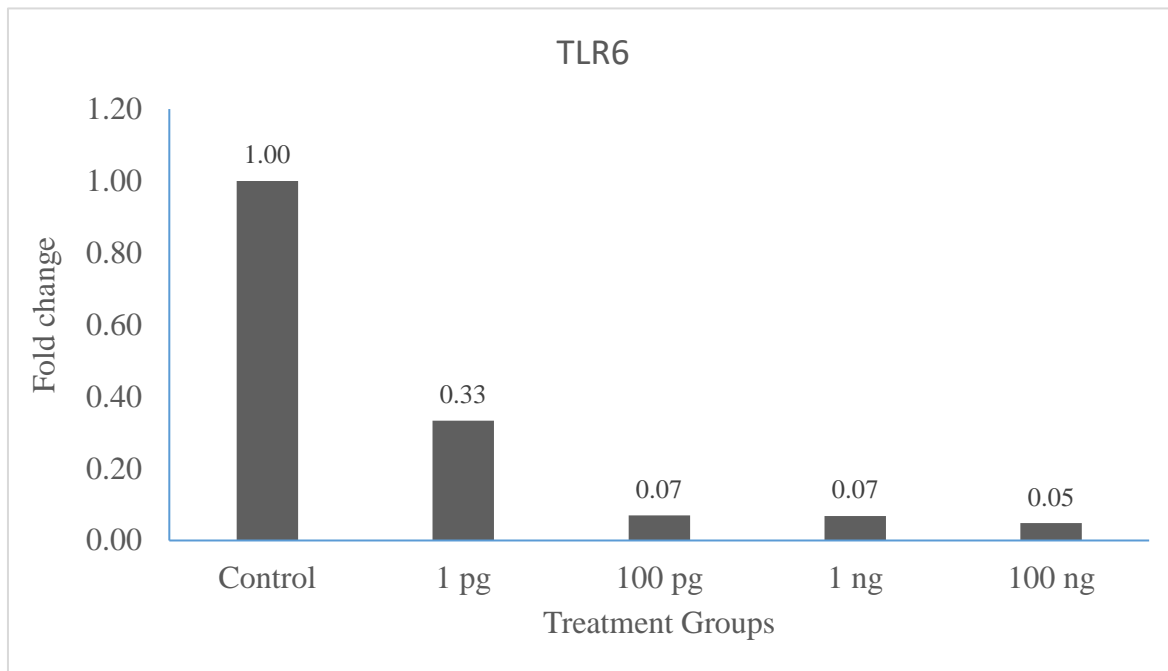
Treatment Group	TLR9	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$	
Control	31.76	24.52	7.24	0.00	1.00	
1 pg	34.45	24.77	9.68	2.44	0.18	
100 pg	34.83	24.53	10.30	3.06	0.12	
1 ng	34.94	24.51	10.43	3.19	0.11	
100 ng	33.83	23.83	10.00	2.76	0.15	
Sr. No.	Treatment Det	Control	1pg	100pg	1ng	100ng
1	TLR1	1	0.18	0.30	0.02	0.01
2	TLR2	1	0.26	0.16	1.37	0.03
3	TLR3	1	0.53	0.22	0.71	0.02
4	TLR4	1	0.07	0.52	0.02	0.02
5	TLR5	1	0.22	0.03	1.09	0.01
6	TLR6	1	0.33	0.07	0.07	0.05
7	TLR7	1	0.03	0.02	0.23	0.01
8	TLR8	1	0.14	0.03	1.22	0.04
9	TLR9	1	0.18	0.12	0.11	0.15
10	TLR10	1	0.51	0.13	0.68	0.03
11	MYD88	1	0.22	0.24	0.46	0.15
13	TRAF6	1	1.14	0.16	0.70	0.27
14	TRAF3	1	1.63	0.61	0.57	0.43
15	TRIF	1	0.52	0.45	0.67	0.28
16	IARK4	1	0.27	0.26	0.49	0.17

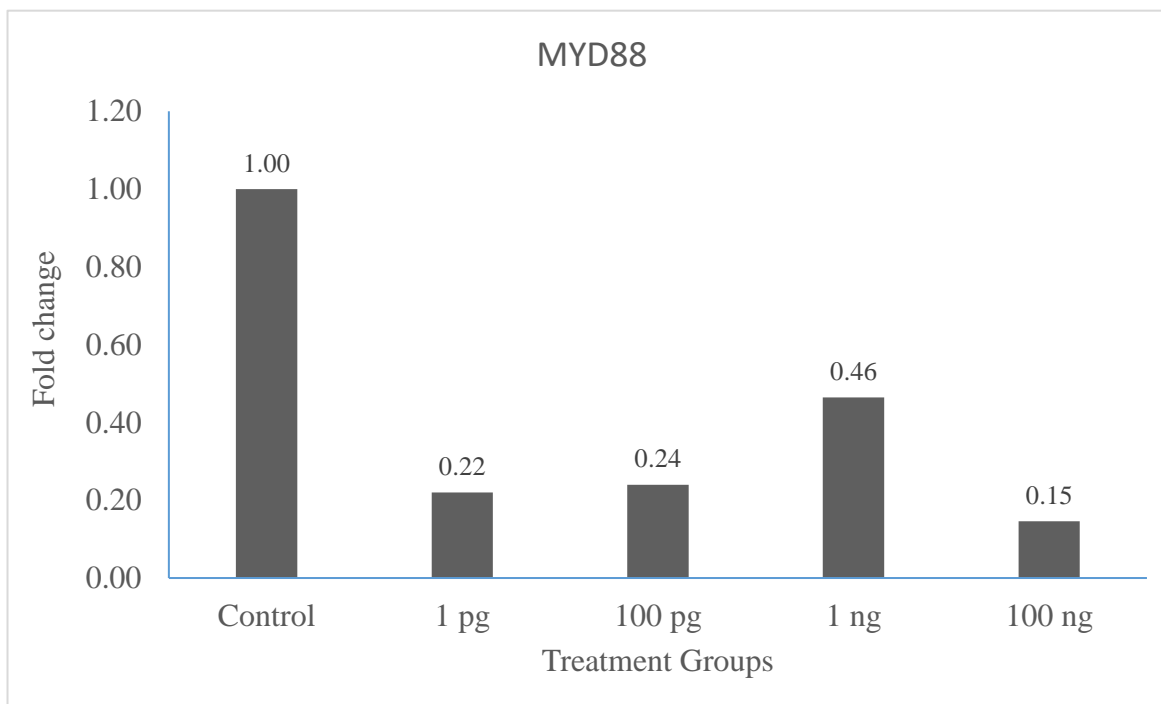
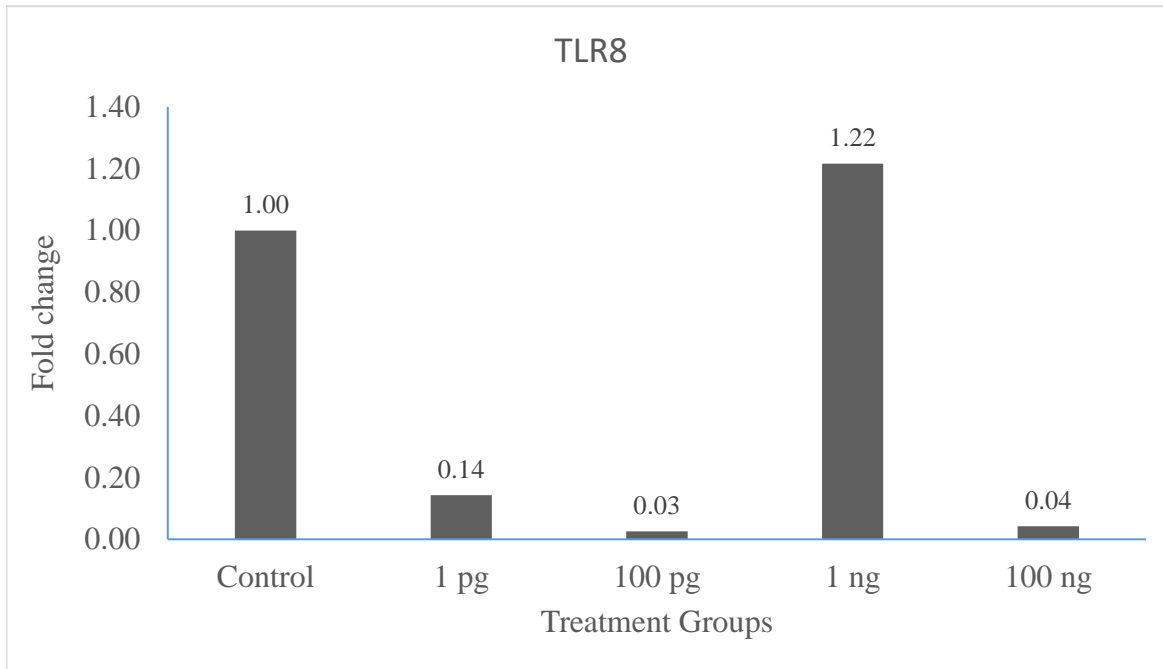
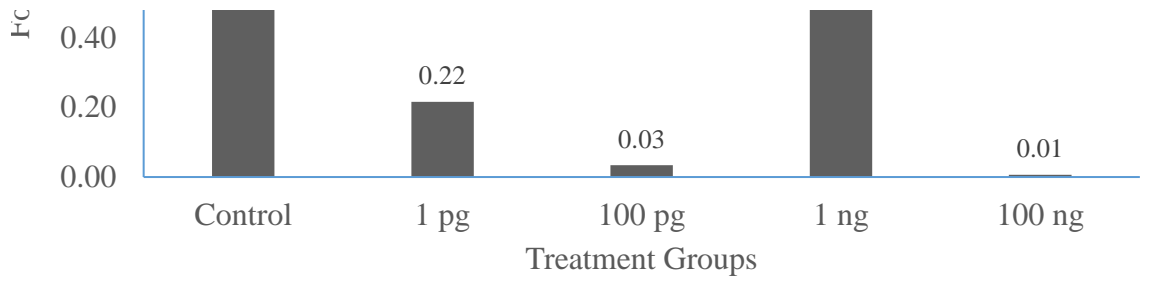


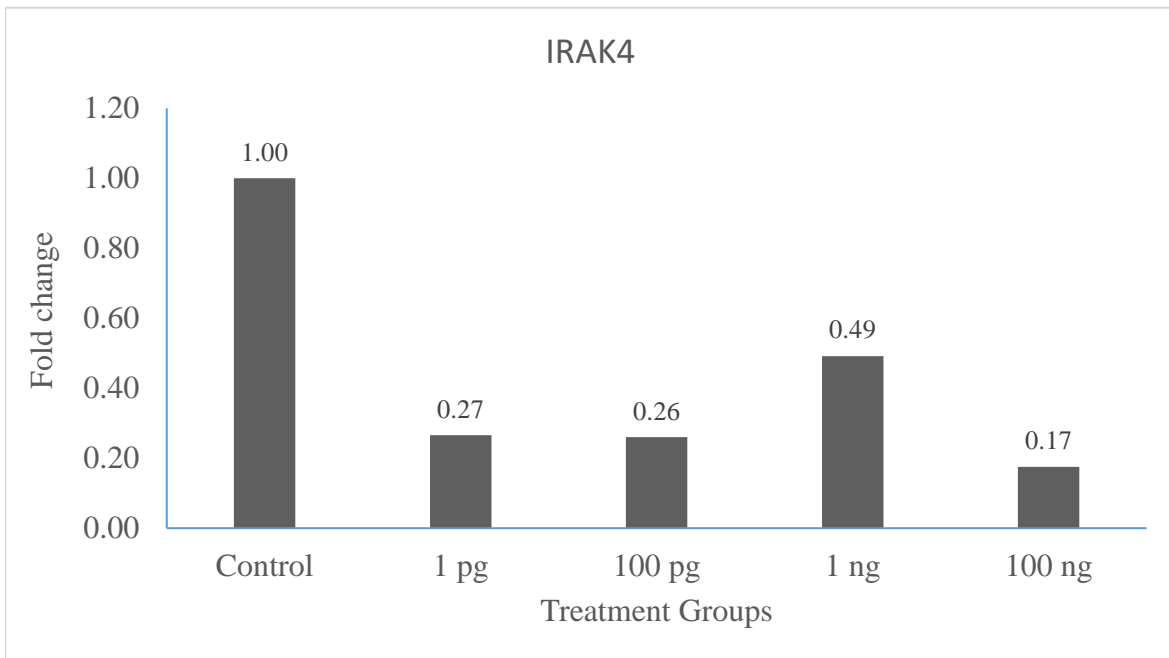
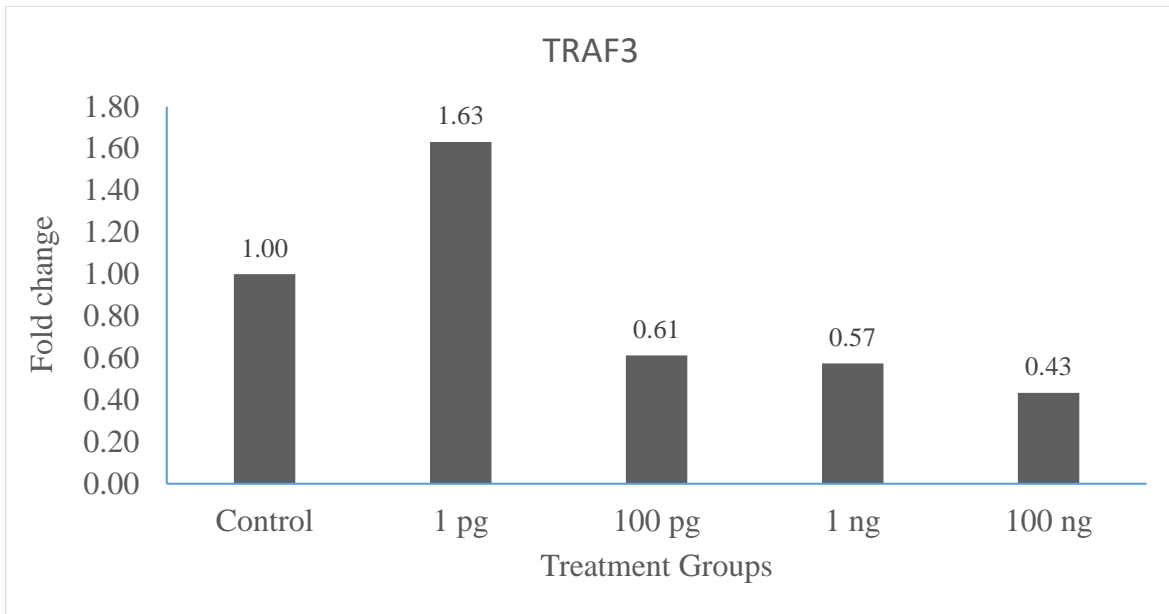












Treatment Group	TLR1	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	35.22	24.63	10.59	0.00	1.00
1 pg	35.39	24.50	10.89	0.30	0.81
100 pg	33.77	24.84	8.93	-1.66	3.15
1 ng	34.18	24.73	9.45	-1.14	2.21
100 ng	34.29	23.19	11.10	0.51	0.70

Treatment Group	TLR6	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	33.27	24.63	8.64	0.00	1.00
1 pg	35.84	24.50	11.34	2.70	0.15
100 pg	33.84	24.84	9.00	0.35	0.78
1 ng	34.00	24.73	9.27	0.63	0.64
100 ng	35.08	23.19	11.89	3.25	0.10

Treatment Group	TLR2	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	35.11	24.63	10.47	0.00	1.00
1 pg	33.51	24.50	9.01	-1.46	2.76
100 pg	33.47	24.84	8.63	-1.85	3.60
1 ng	33.58	24.73	8.85	-1.62	3.08
100 ng	33.53	23.19	10.35	-0.13	1.09

Treatment Group	TLR3	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	35.96	24.63	11.33	0.00	1.00
1 pg	35.89	24.50	11.39	0.06	0.96
100 pg	35.46	24.84	10.62	-0.71	1.64
1 ng	34.64	24.73	9.91	-1.42	2.67
100 ng	35.57	23.19	12.39	1.05	0.48

Treatment Group	TLR4	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	33.26	24.63	8.63	0.00	1.00
1 pg	34.26	24.50	9.76	1.13	0.46
100 pg	34.44	24.84	9.60	0.97	0.51
1 ng	36.21	24.73	11.48	2.85	0.14
100 ng	35.45	23.19	12.27	3.63	0.08

Treatment Group	TLR5	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	34.59	24.63	9.96	0.00	1.00
1 pg	33.87	24.50	9.37	-0.58	1.50
100 pg	33.59	24.84	8.75	-1.21	2.32
1 ng	33.26	24.73	8.53	-1.43	2.69
100 ng	35.86	23.19	12.67	2.72	0.15

Treatment Group	TLR7	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
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Control	34.54	24.63	9.91	0.00	1.00
1 pg	34.63	24.50	10.13	0.22	0.86
100 pg	34.47	24.84	9.63	-0.28	1.21
1 ng	34.18	24.73	9.45	-0.46	1.37
100 ng	33.43	23.19	10.24	0.33	0.80

Treatment Group	TLR8	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$
Control	34.40	24.63	9.77	0.00	1.00
1 pg	33.15	24.50	8.65	-1.11	2.16
100 pg	33.15	24.84	8.30	-1.46	2.76
1 ng	32.41	24.73	7.68	-2.08	4.24
100 ng	32.87	23.19	9.68	-0.08	1.06

Treatment Group	TLR10	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$
Control	34.50	24.63	9.87	0.00	1.00
1 pg	32.07	24.50	7.57	-2.30	4.91
100 pg	35.93	24.84	11.09	1.22	0.43
1 ng	32.07	24.73	7.34	-2.53	5.78
100 ng	34.01	23.19	10.82	0.95	0.52

Treatment Group	MYD88	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$
Control	32.01	24.63	7.38	0.00	1.00
1 pg	31.47	24.50	6.98	-0.40	1.32
100 pg	30.68	24.84	5.84	-1.54	2.90
1 ng	31.32	24.73	6.59	-0.79	1.73
100 ng	29.44	23.19	6.26	-1.12	2.17

Treatment Group	TRAF6	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$
Control	33.34	24.63	8.71	0.00	1.00
1 pg	33.56	24.50	9.06	0.35	0.78
100 pg	33.49	24.84	8.65	-0.06	1.04
1 ng	33.98	24.73	9.25	0.54	0.69
100 ng	34.63	23.19	11.44	2.73	0.15

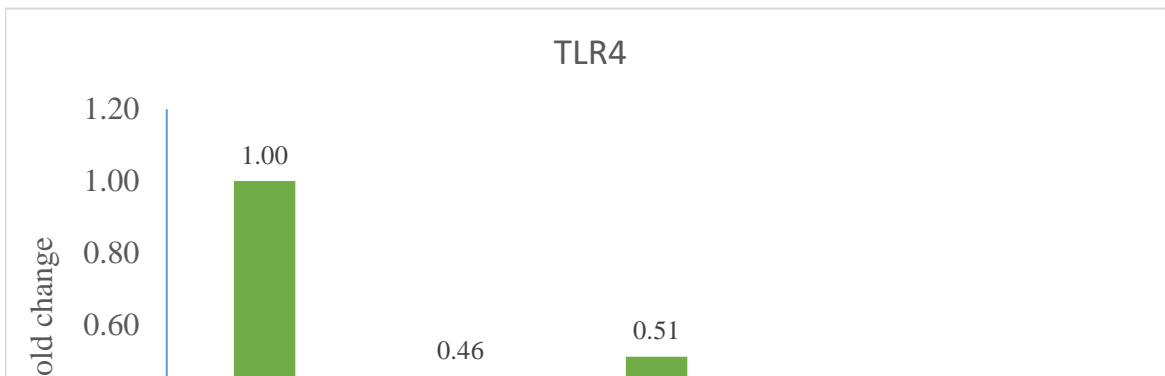
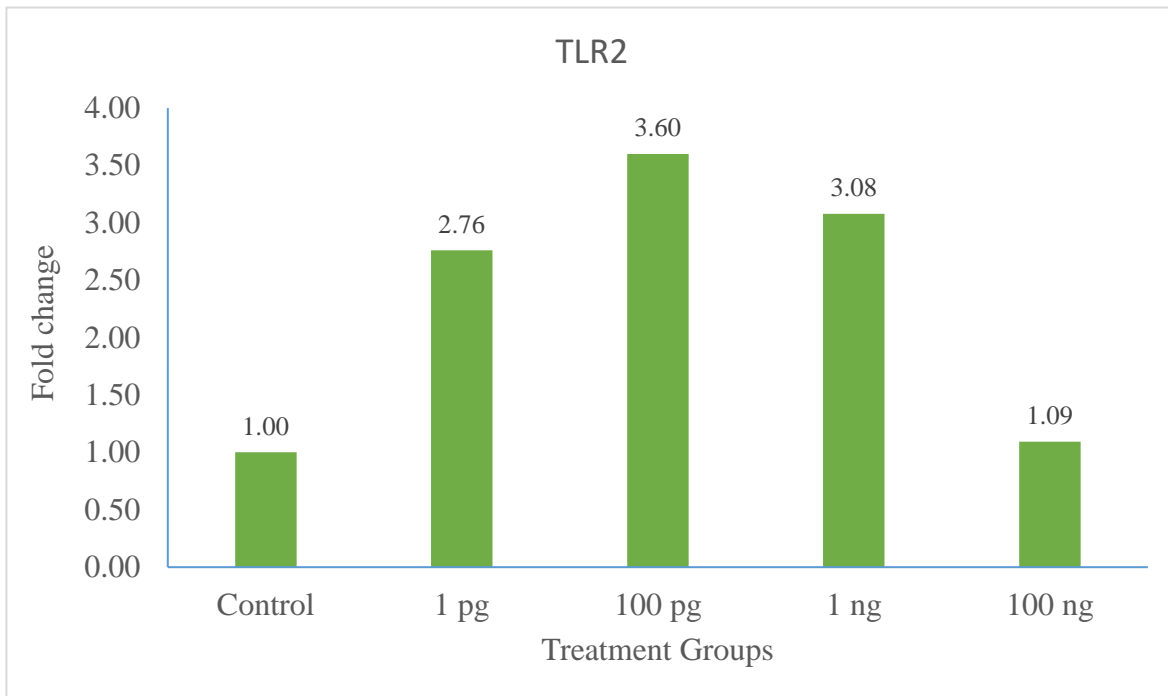
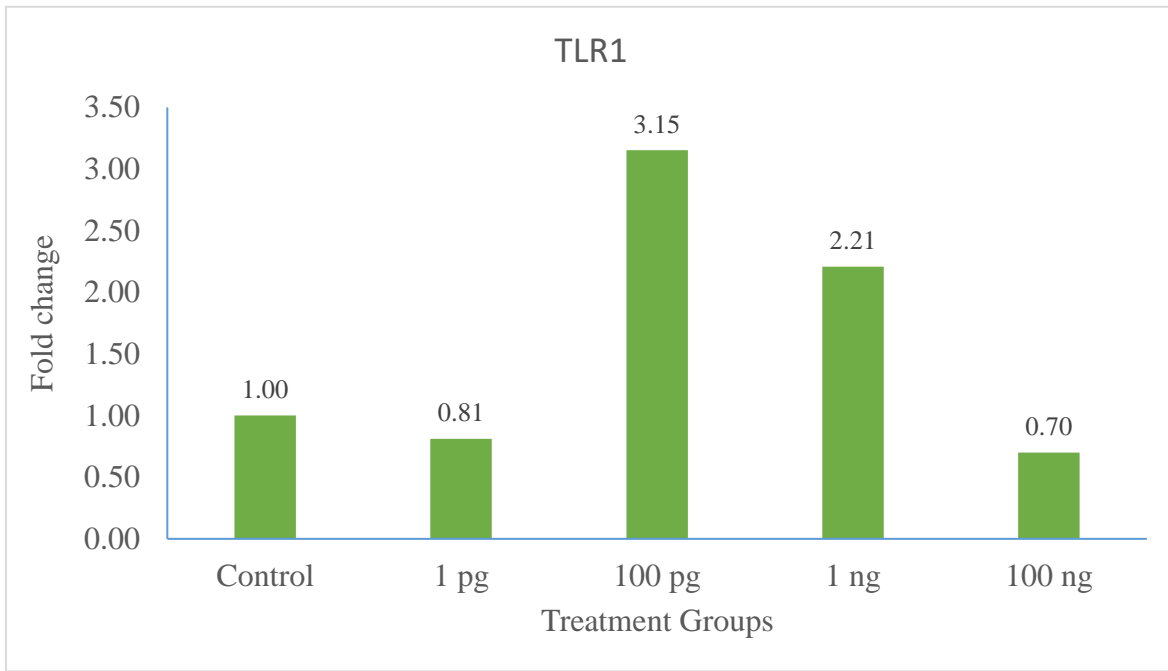
Treatment Group	TRAF3	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$
Control	32.83	24.63	8.20	0.00	1.00
1 pg	31.60	24.50	7.10	-1.10	2.14
100 pg	32.40	24.84	7.56	-0.64	1.56
1 ng	30.91	24.73	6.18	-2.02	4.05
100 ng	32.34	23.19	9.15	0.96	0.52

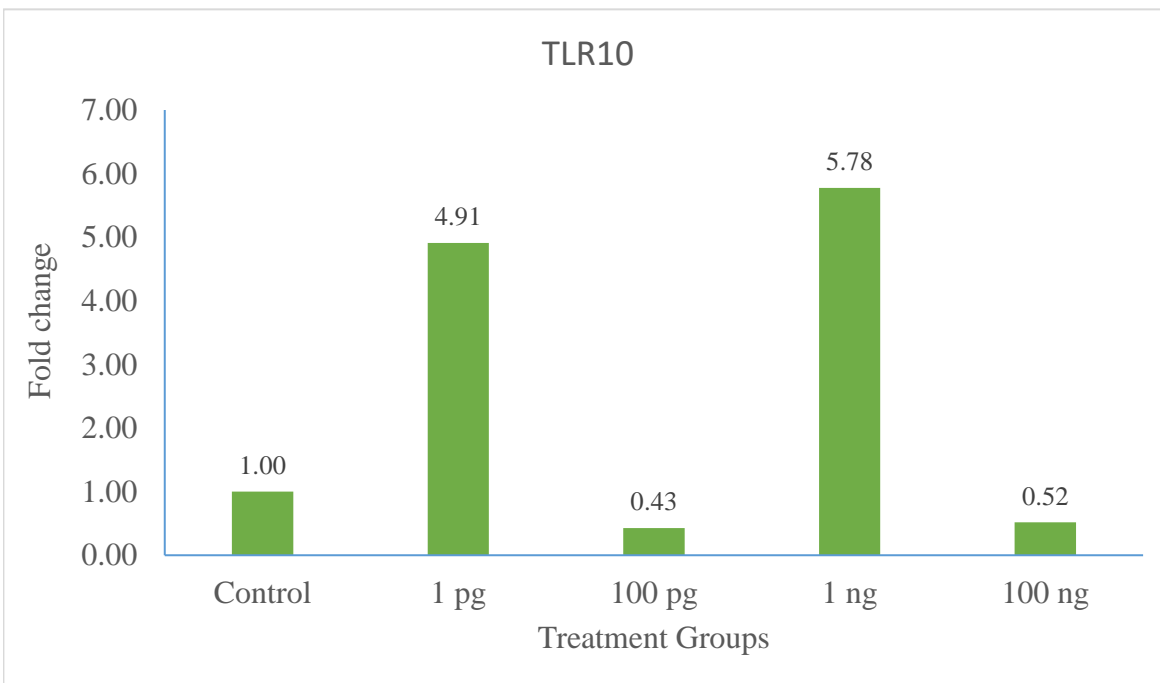
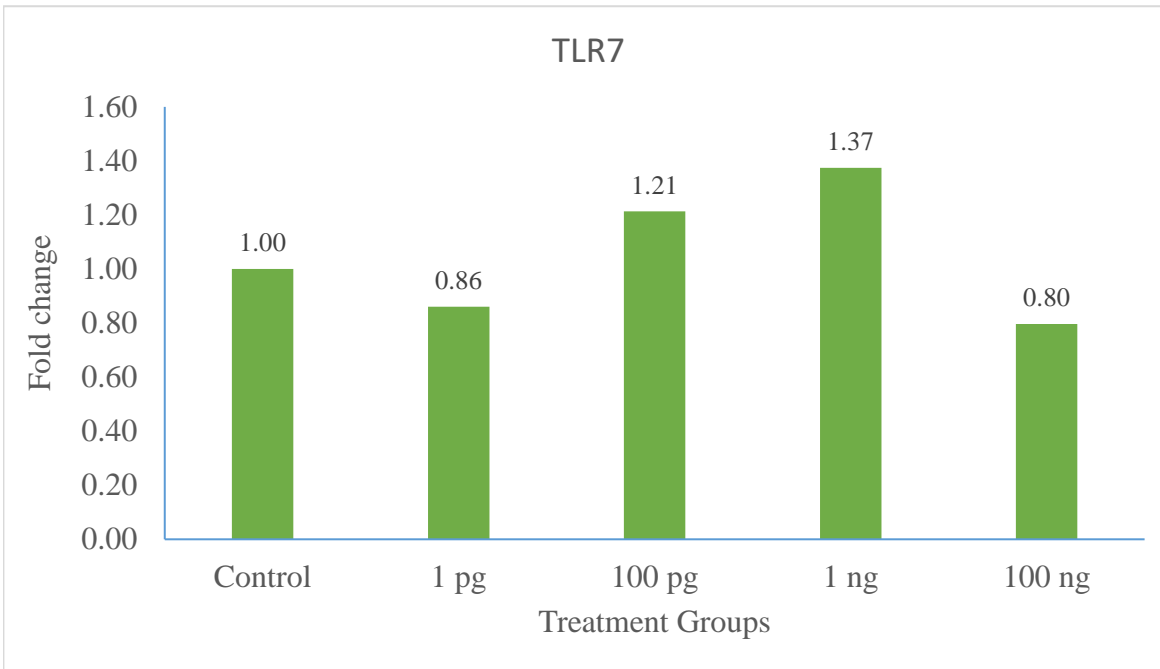
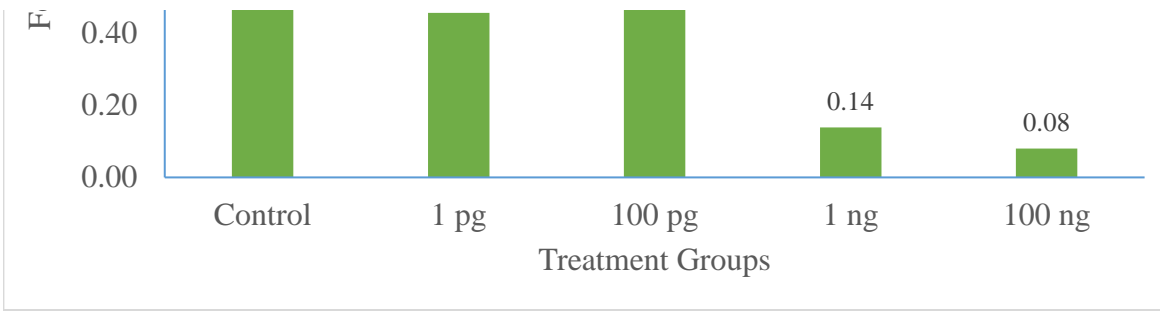
Treatment Group	TRIF	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$
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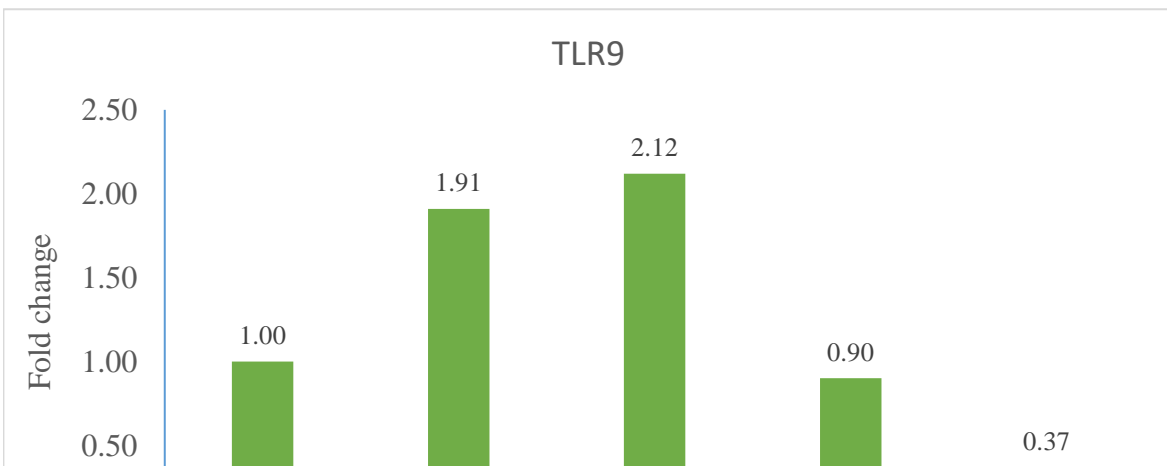
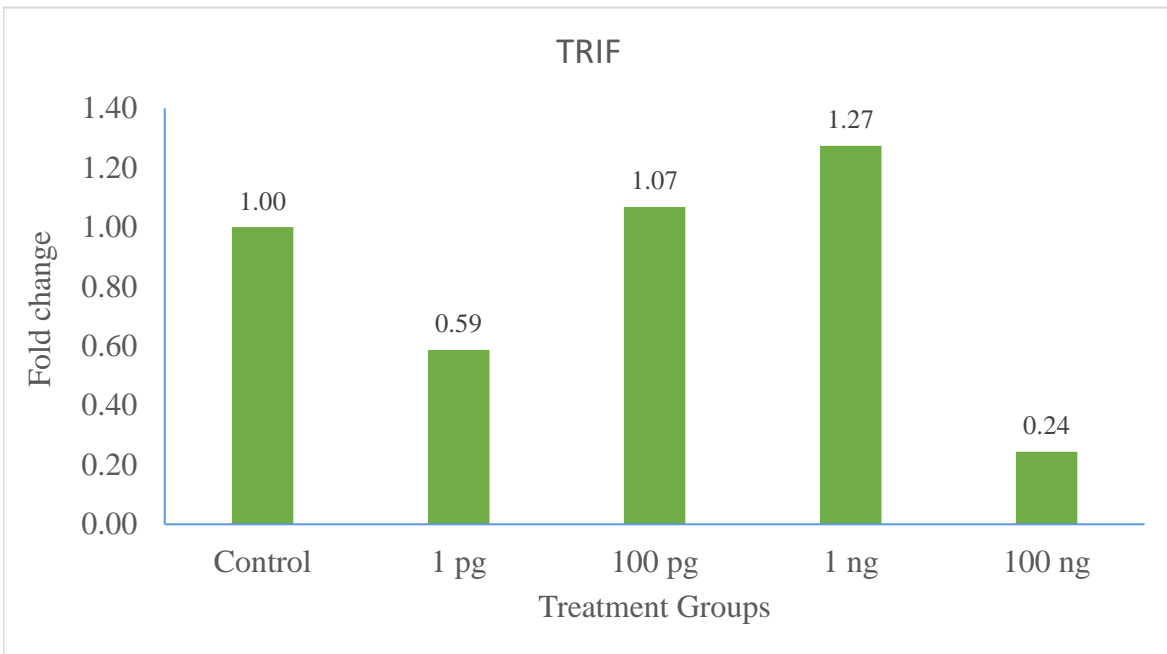
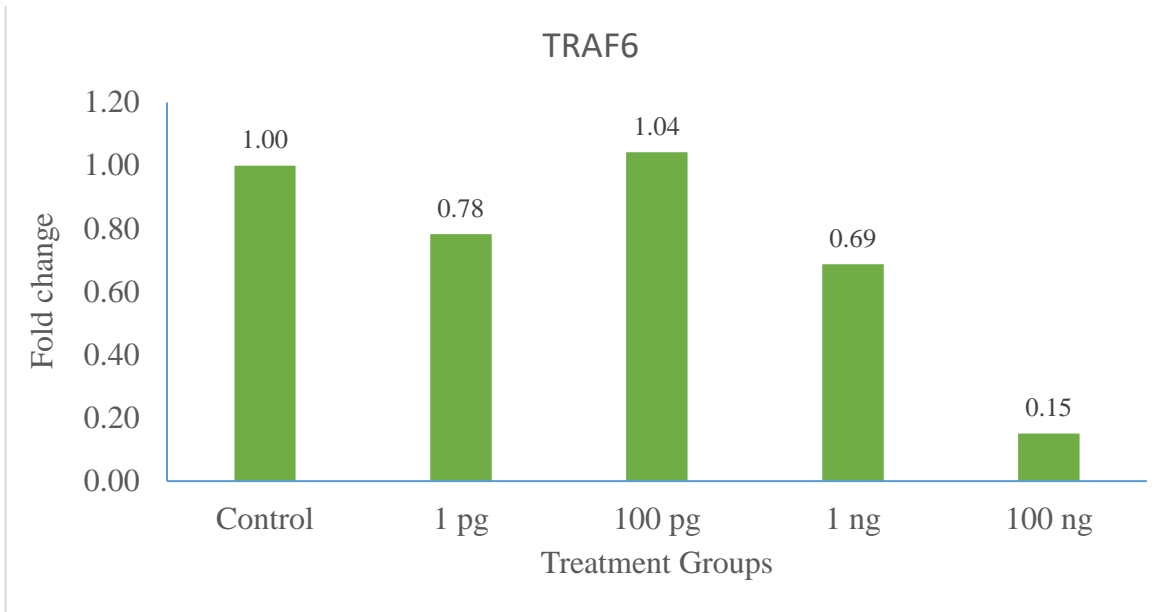
Control	34.17	24.63	9.54	0.00	1.00
1 pg	34.81	24.50	10.31	0.77	0.59
100 pg	34.29	24.84	9.45	-0.09	1.07
1 ng	33.92	24.73	9.19	-0.35	1.27
100 ng	34.76	23.19	11.57	2.04	0.24

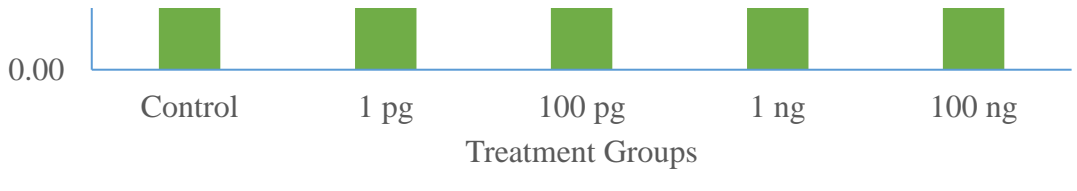
Treatment Group	IARK4	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$
Control	30.27	24.63	5.63	0.00	1.00
1 pg	29.78	24.50	5.29	-0.35	1.27
100 pg	28.88	24.84	4.04	-1.59	3.02
1 ng	29.57	24.73	4.84	-0.79	1.73
100 ng	27.76	23.19	4.58	-1.06	2.08

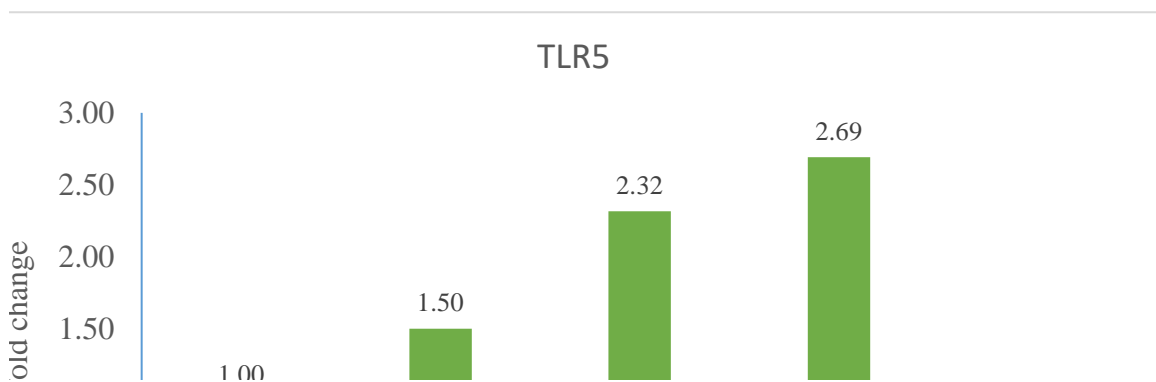
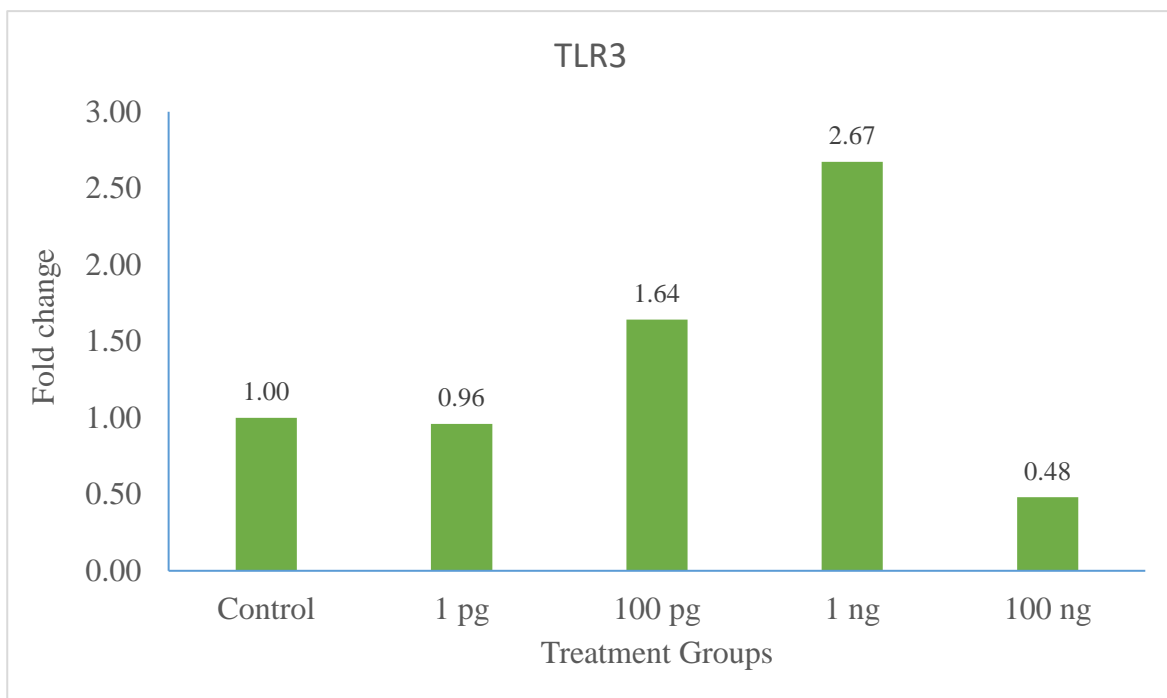
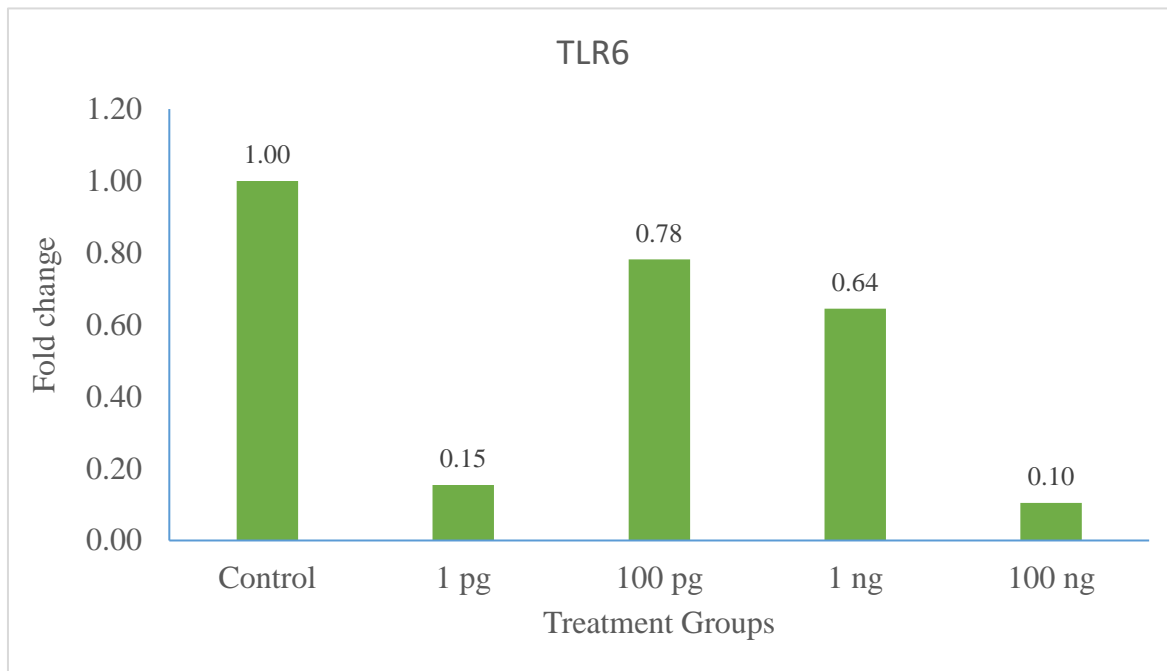
Treatment Group	TLR9	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$	
Control	34.41	24.63	9.78	0.00	1.00	
1 pg	33.34	24.5	8.84	-0.94	1.91	
100 pg	33.53	24.84	8.69	-1.09	2.12	
1 ng	34.65	24.73	9.92	0.14	0.9	
100 ng	34.38	23.19	11.19	1.41	0.37	
Sr. No.	Treatment Det	Control	1pg	100pg	1ng	100ng
1	TLR1	1	0.81	3.15	2.21	0.70
2	TLR2	1	2.76	3.60	3.08	1.09
3	TLR3	1	0.96	1.64	2.67	0.48
4	TLR4	1	0.46	0.51	0.14	0.08
5	TLR5	1	1.50	2.32	2.69	0.15
6	TLR6	1	0.15	0.78	0.64	0.10
7	TLR7	1	0.86	1.21	1.37	0.80
8	TLR8	1	2.16	2.76	4.24	1.06
9	TLR9	1	1.91	2.12	0.90	0.37
10	TLR10	1	4.91	0.43	5.78	0.52
11	MYD88	1	1.32	2.90	1.73	2.17
13	TRAF6	1	0.78	1.04	0.69	0.15
14	TRAF3	1	2.14	1.56	4.05	0.52
15	TRIF	1	0.59	1.07	1.27	0.24
16	IARK4	1	1.27	3.02	1.73	2.08

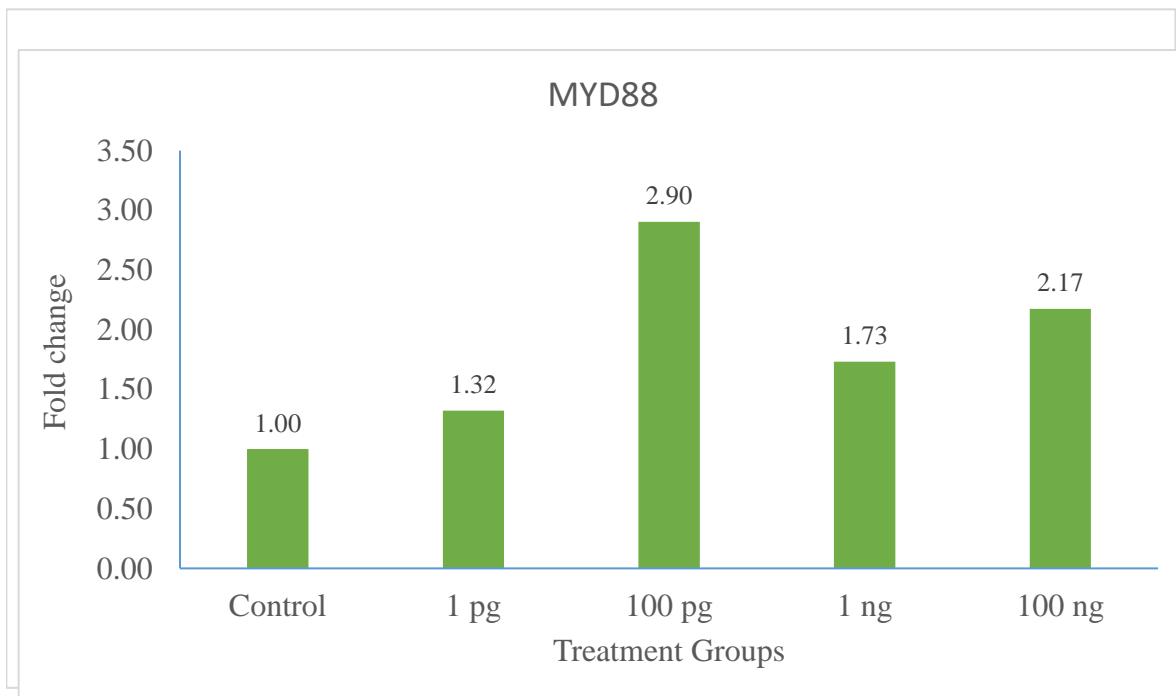
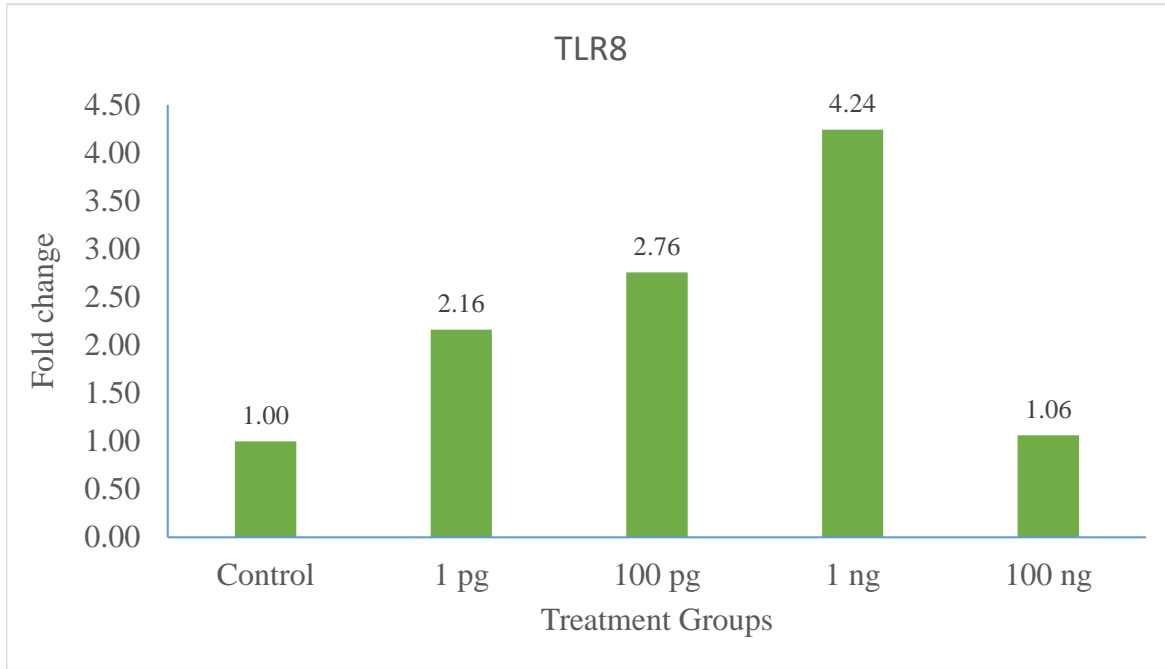
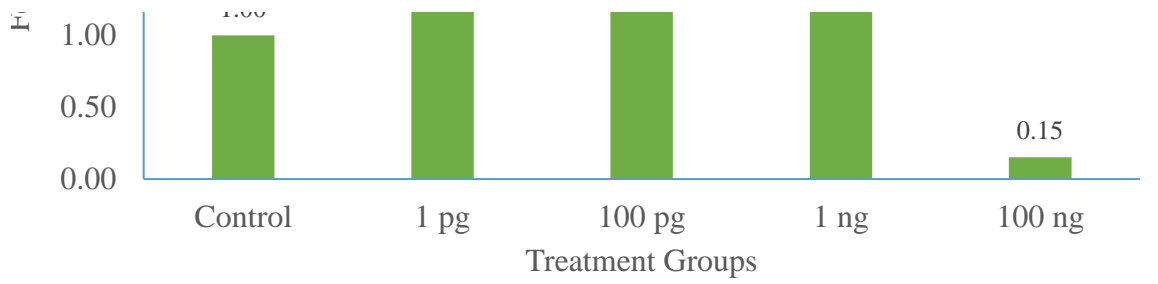


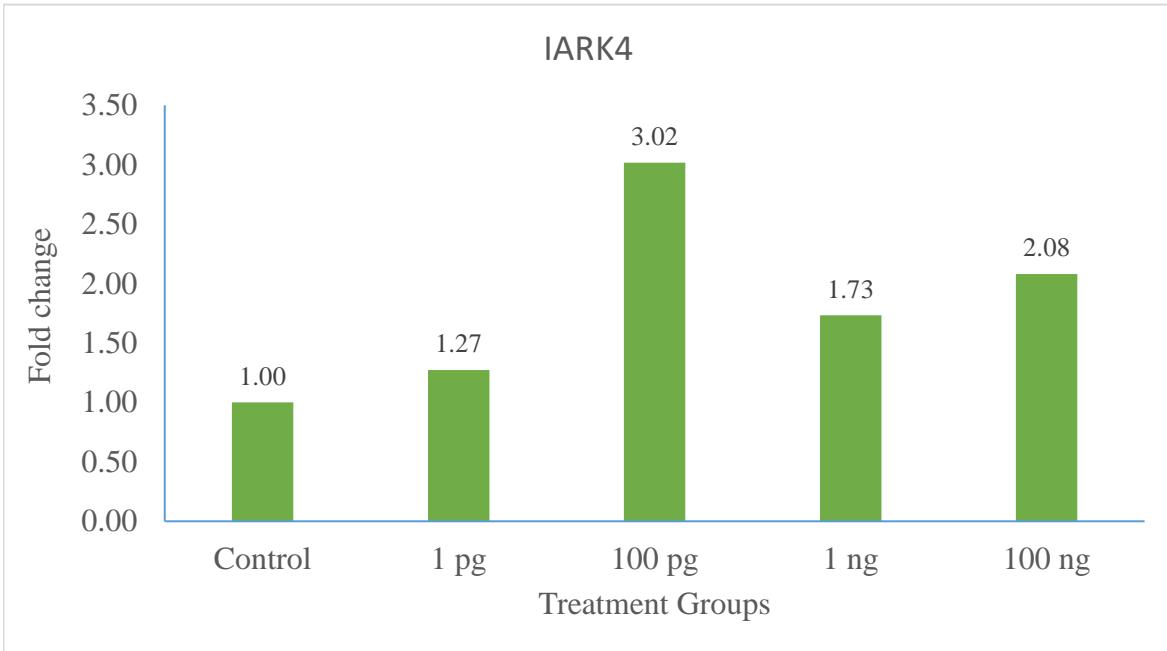
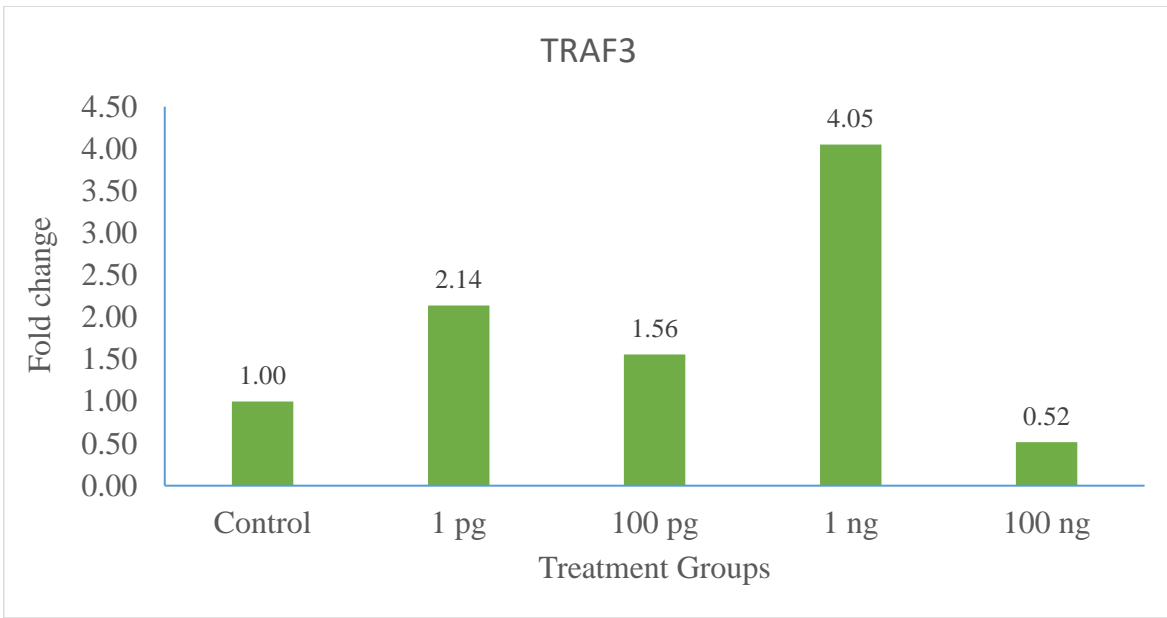












Treatment Group	TLR1	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	31.55	25.87	5.67	0.00	1.00
1 pg	29.51	23.20	6.30	0.63	0.65
100 pg	31.16	25.16	6.00	0.32	0.80
1 ng	28.45	22.54	5.90	0.23	0.85
100 ng	31.01	22.36	8.64	2.97	0.13

Treatment Group	TLR2	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	33.49	25.87	7.62	0.00	1.00
1 pg	30.75	23.20	7.54	-0.07	1.05
100 pg	30.29	25.16	5.12	-2.49	5.63
1 ng	29.17	22.54	6.62	-0.99	1.99
100 ng	31.69	22.36	9.32	1.71	0.31

Treatment Group	TLR3	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	34.71	25.87	8.84	0.00	1.00
1 pg	31.54	23.20	8.33	-0.51	1.42
100 pg	34.49	25.16	9.33	0.49	0.71
1 ng	30.37	22.54	7.83	-1.01	2.01
100 ng	32.39	22.36	10.02	1.18	0.44

Treatment Group	TLR4	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	31.17	25.87	5.29	0.00	1.00
1 pg	29.41	23.20	6.21	0.92	0.53
100 pg	33.24	25.16	8.08	2.78	0.15
1 ng	28.38	22.54	5.83	0.54	0.69
100 ng	33.21	22.36	10.85	5.55	0.02

Treatment Group	TLR5	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	31.74	25.87	5.86	0.00	1.00
1 pg	27.85	23.20	4.64	-1.22	2.33
100 pg	33.28	25.16	8.12	2.26	0.21
1 ng	26.33	22.54	3.79	-2.08	4.21
100 ng	28.52	22.36	6.16	0.29	0.82

Treatment Group	TLR6	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	31.96	25.87	6.09	0.00	1.00
1 pg	28.92	23.20	5.71	-0.37	1.30
100 pg	31.86	25.16	6.70	0.61	0.65
1 ng	28.91	22.54	6.37	0.28	0.82
100 ng	29.35	22.36	6.98	0.90	0.54

Treatment Group	TLR7	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	33.07	25.87	7.20	0.00	1.00

1 pg	30.04	23.20	6.84	-0.36	1.28
100 pg	34.50	25.16	9.33	2.14	0.23
1 ng	28.42	22.54	5.87	-1.33	2.51
100 ng	31.11	22.36	8.74	1.55	0.34

Treatment Group	TLR8	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$
Control	31.20	25.87	5.33	0.00	1.00
1 pg	27.83	23.20	4.62	-0.71	1.63
100 pg	31.42	25.16	6.26	0.93	0.52
1 ng	25.53	22.54	2.99	-2.34	5.06
100 ng	28.65	22.36	6.29	0.96	0.51

Treatment Group	TLR10	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$
Control	31.61	25.87	5.74	0.00	1.00
1 pg	27.56	23.20	4.36	-1.39	2.61
100 pg	32.45	25.16	7.29	1.55	0.34
1 ng	25.61	22.54	3.06	-2.68	6.41
100 ng	29.65	22.36	7.29	1.55	0.34

Treatment Group	MYD88	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$
Control	31.34	25.87	5.47	0.00	1.00
1 pg	30.74	23.20	7.53	2.07	0.24
100 pg	31.23	25.16	6.07	0.60	0.66
1 ng	29.54	22.54	7.00	1.53	0.35
100 ng	31.36	22.36	8.99	3.52	0.09

Treatment Group	TRAF3	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$
Control	32.74	25.87	6.87	0.00	1.00
1 pg	30.05	23.20	6.85	-0.02	1.02
100 pg	31.72	25.16	6.56	-0.31	1.24
1 ng	27.93	22.54	5.39	-1.48	2.80
100 ng	29.43	22.36	7.07	0.20	0.87

Treatment Group	TRIF	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$
Control	33.17	25.87	7.30	0.00	1.00
1 pg	35.01	23.20	11.81	4.51	0.04
100 pg	34.51	25.16	9.35	2.05	0.24
1 ng	35.20	22.54	12.65	5.36	0.02
100 ng	33.78	22.36	11.42	4.12	0.06

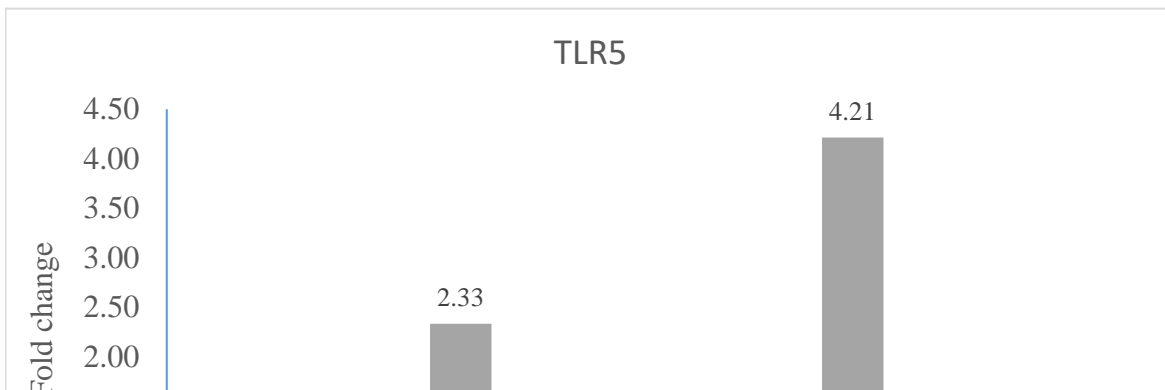
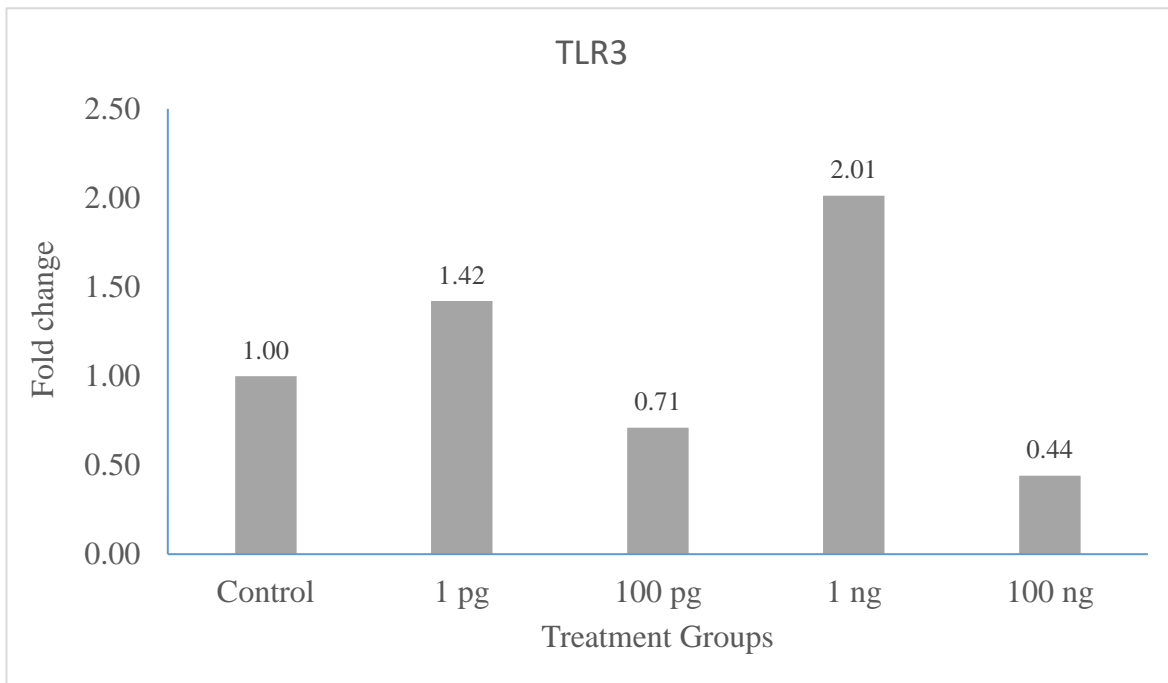
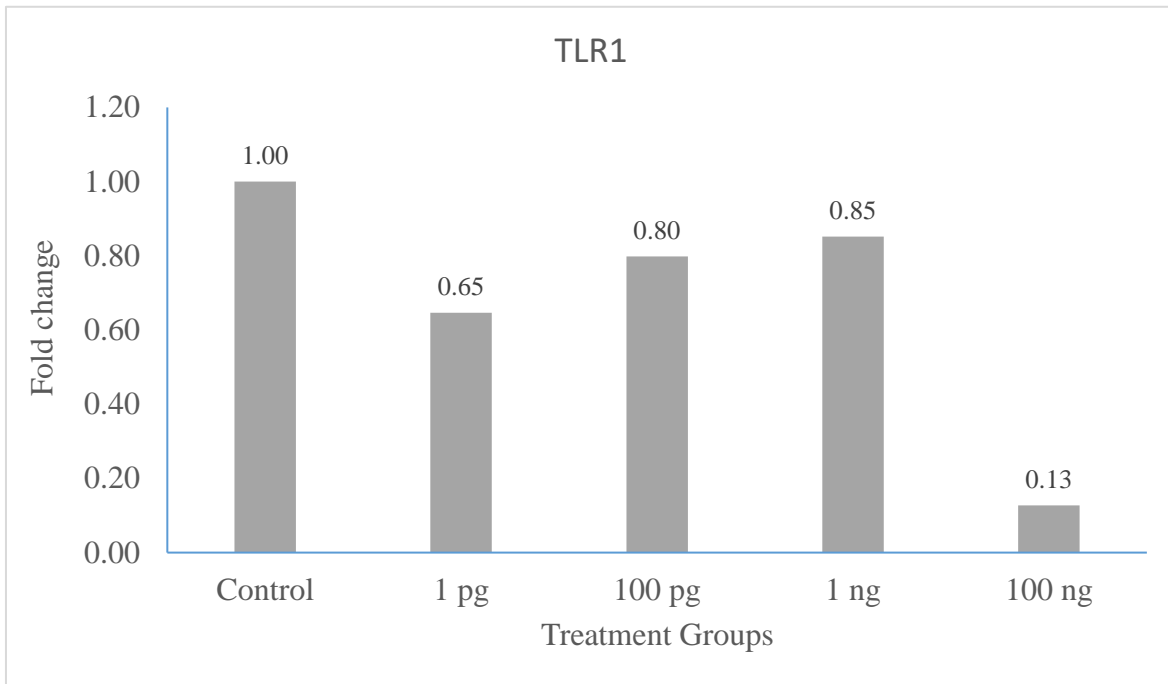
Treatment Group	IARK4	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$
Control	29.62	25.87	3.75	0.00	1.00
1 pg	29.02	23.20	5.81	2.07	0.24

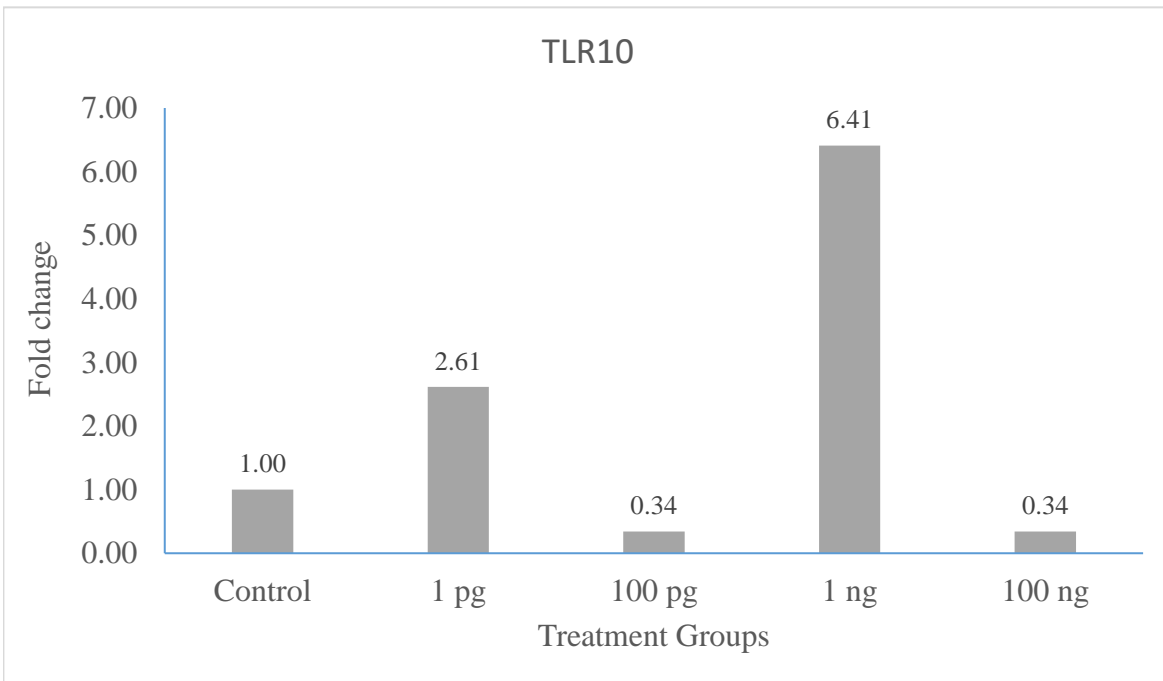
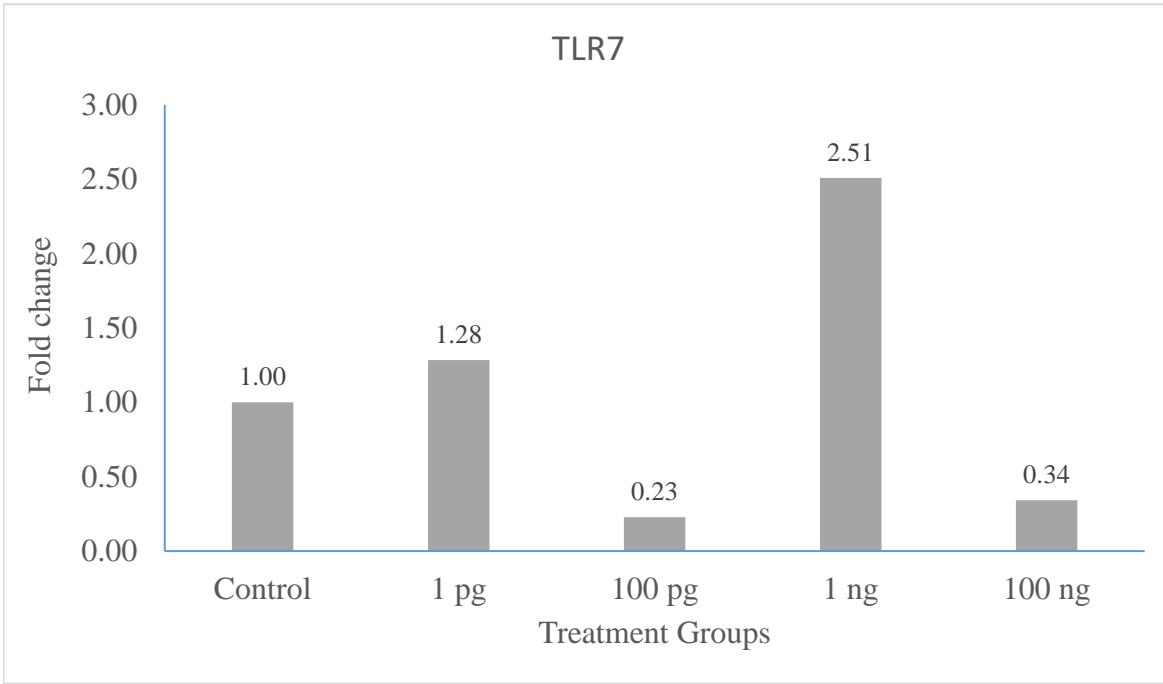
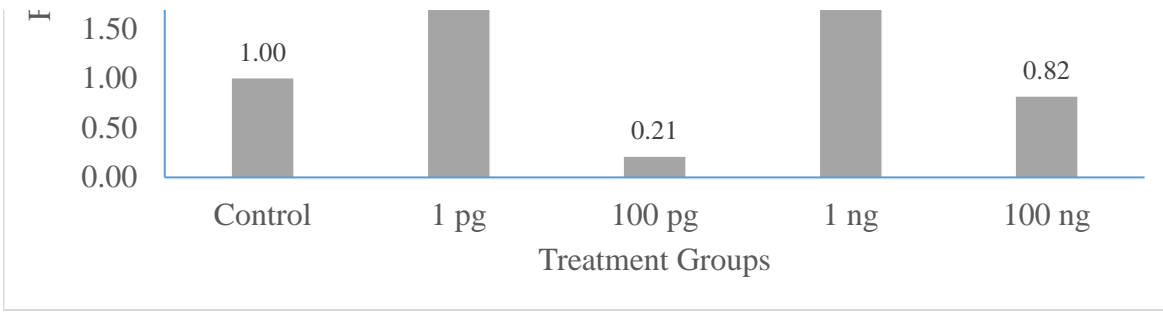
100 pg	29.47	25.16	4.31	0.56	0.68
1 ng	27.87	22.54	5.32	1.58	0.33
100 ng	29.63	22.36	7.26	3.51	0.09

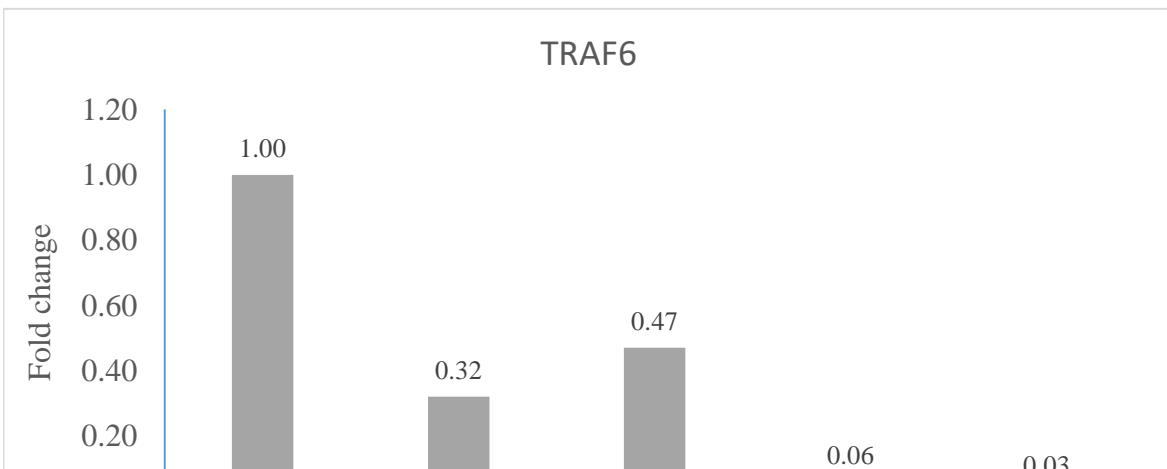
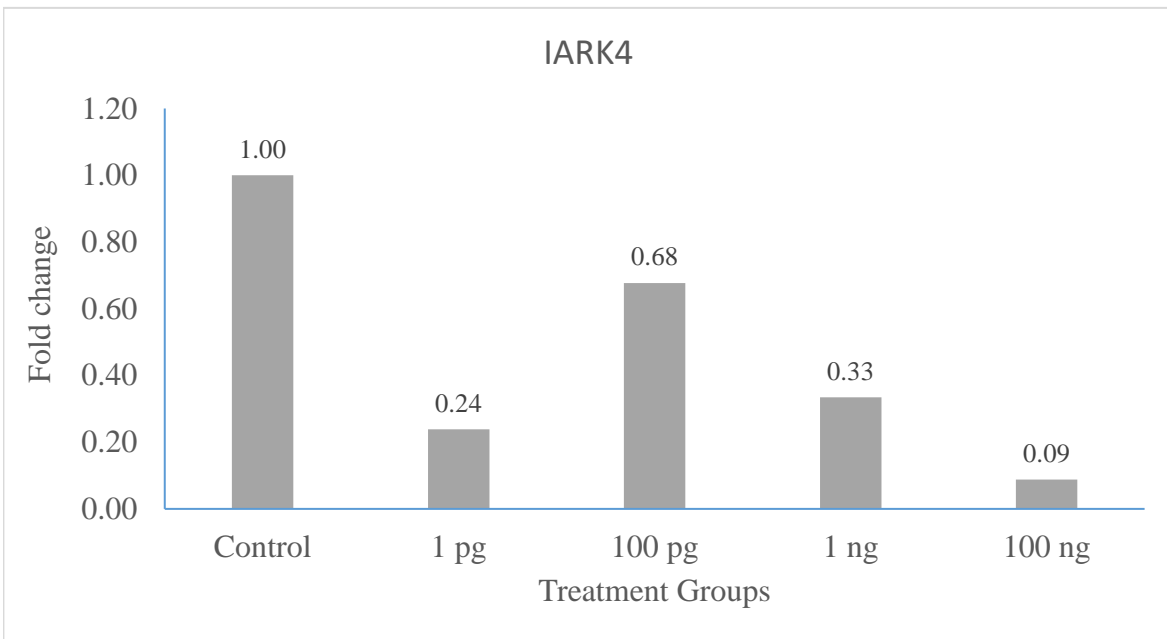
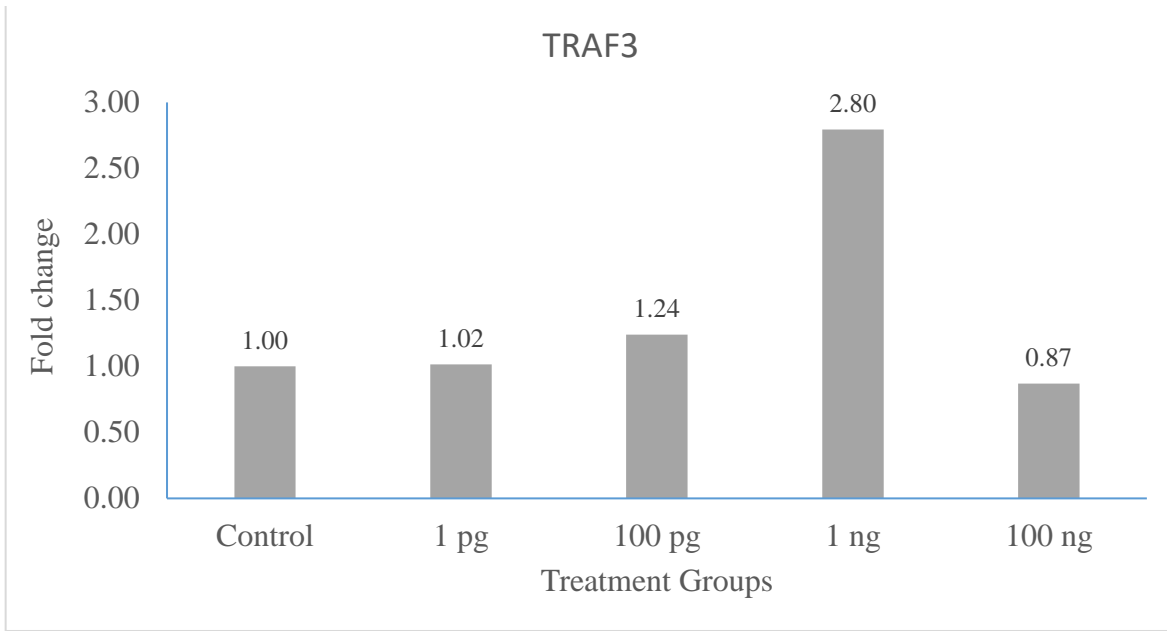
Treatment Group	TLR9	GAPDH	ΔCq	$\Delta\Delta Cq$	Change $2^{-\Delta\Delta Cq}$
Control	34.45	25.87	8.58	0.00	1.00
1 pg	35.33	23.2	12.13	3.55	0.09
100 pg	35.28	25.16	10.12	1.54	0.34
1 ng	34.44	22.54	11.90	3.32	0.10
100 ng	34.47	22.36	12.11	3.53	0.09

Treatment Group	TRAF6	GAPDH	ΔCq	$\Delta\Delta Cq$	Change $2^{-\Delta\Delta Cq}$
Control	33.28	25.87	7.41	0.00	1.00
1 pg	32.27	23.2	9.07	1.66	0.32
100 pg	33.65	25.16	8.49	1.08	0.47
1 ng	34.12	22.54	11.58	4.17	0.06
100 ng	34.76	22.36	12.4	4.99	0.03

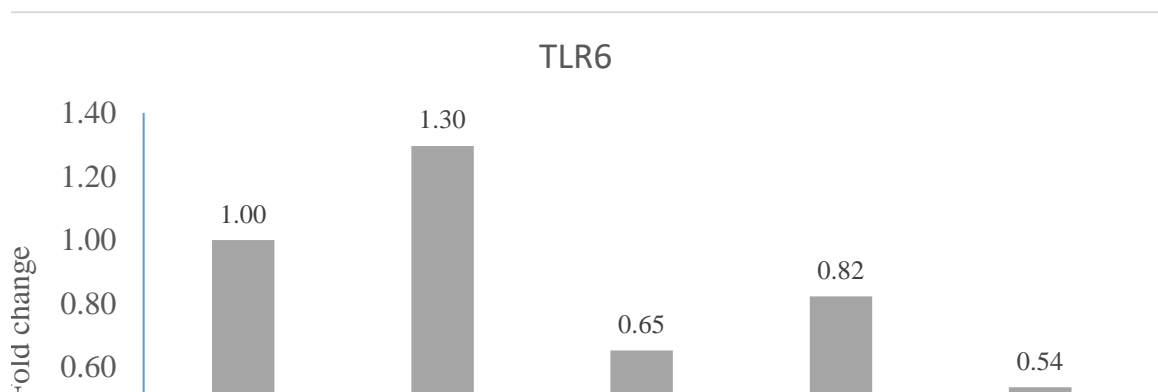
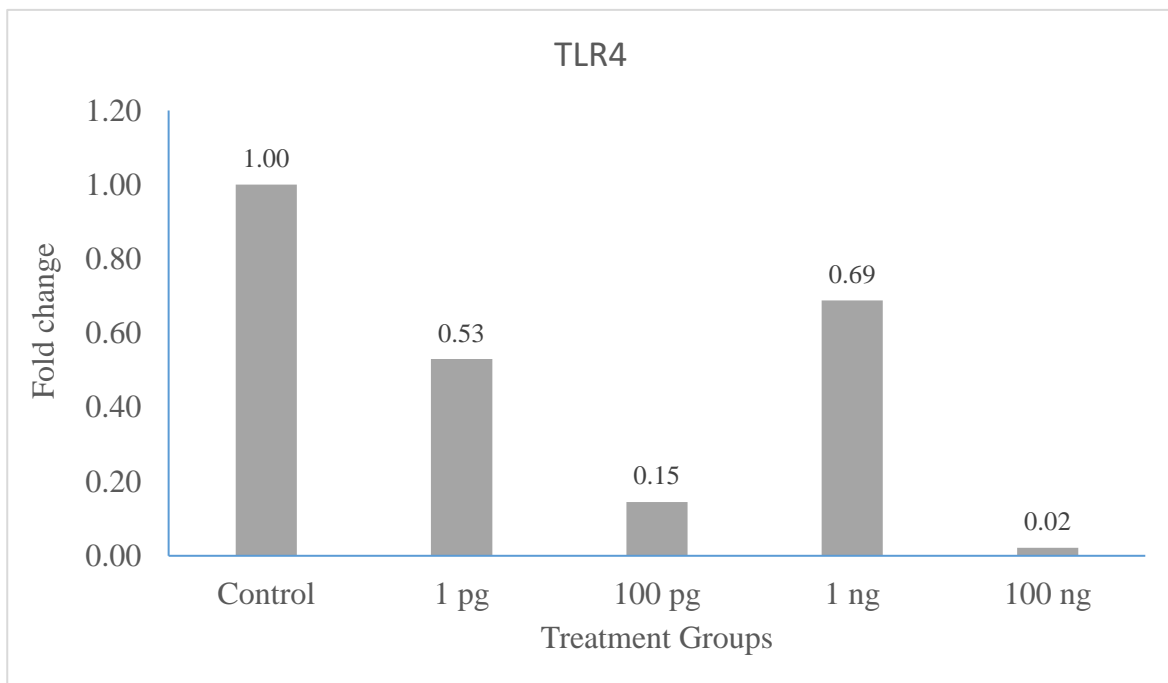
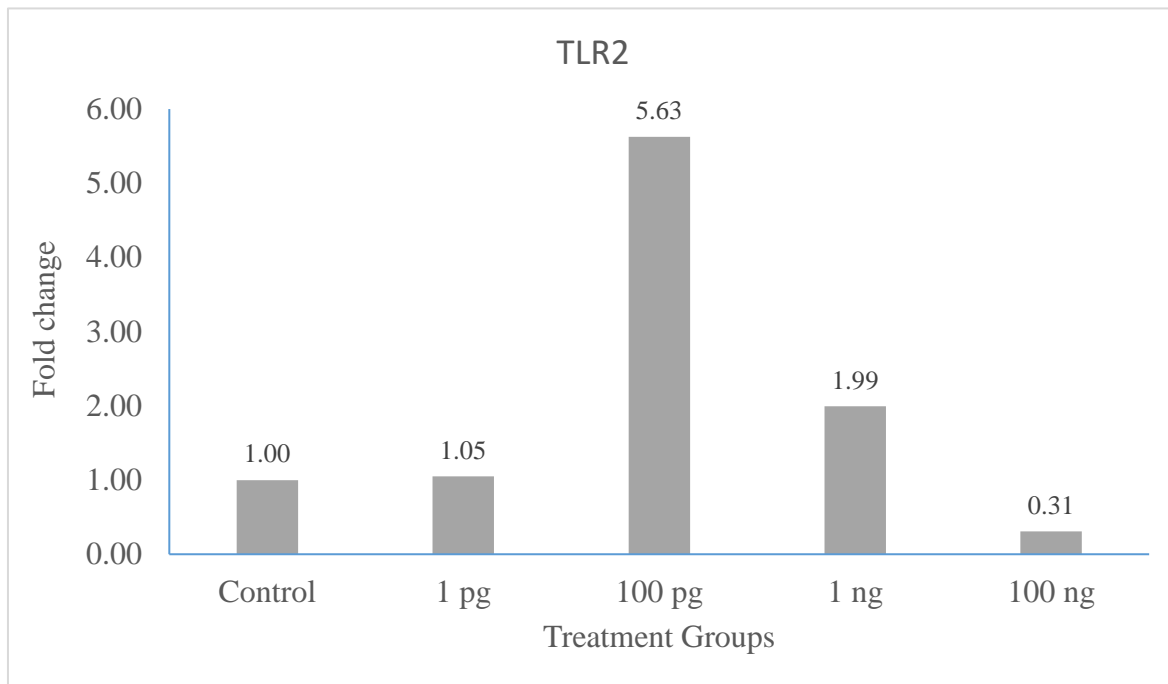
Sr. No.	Treatment Det	Control	1pg	100pg	1ng	100ng
1	TLR1	1	0.65	0.80	0.85	0.13
2	TLR2	1	1.05	5.63	1.99	0.31
3	TLR3	1	1.42	0.71	2.01	0.44
4	TLR4	1	0.53	0.15	0.69	0.02
5	TLR5	1	2.33	0.21	4.21	0.82
6	TLR6	1	1.30	0.65	0.82	0.54
7	TLR7	1	1.28	0.23	2.51	0.34
8	TLR8	1	1.63	0.52	5.06	0.51
9	TLR9	1	0.09	0.34	0.10	0.09
10	TLR10	1	2.61	0.34	6.41	0.34
11	MYD88	1	0.24	0.66	0.35	0.09
13	TRAF6	1	0.32	0.47	0.06	0.03
14	TRAF3	1	1.02	1.24	2.80	0.87
15	TRIF	1	0.04	0.24	0.02	0.06
16	IARK4	1	0.24	0.68	0.33	0.09

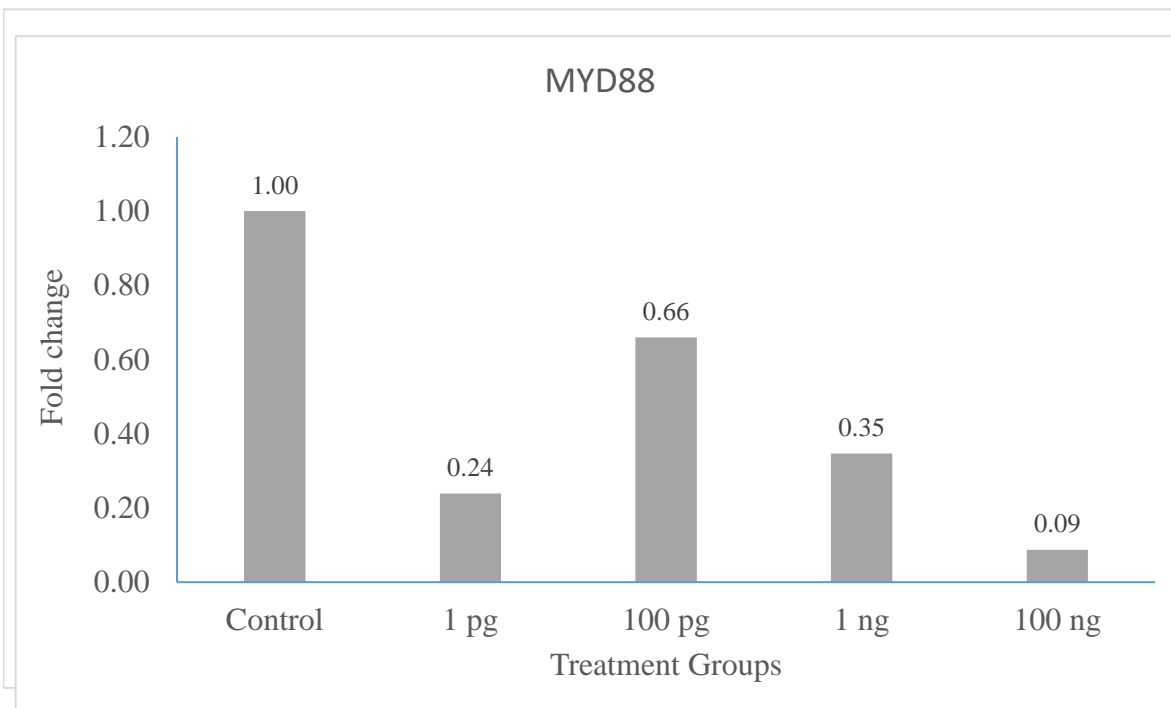
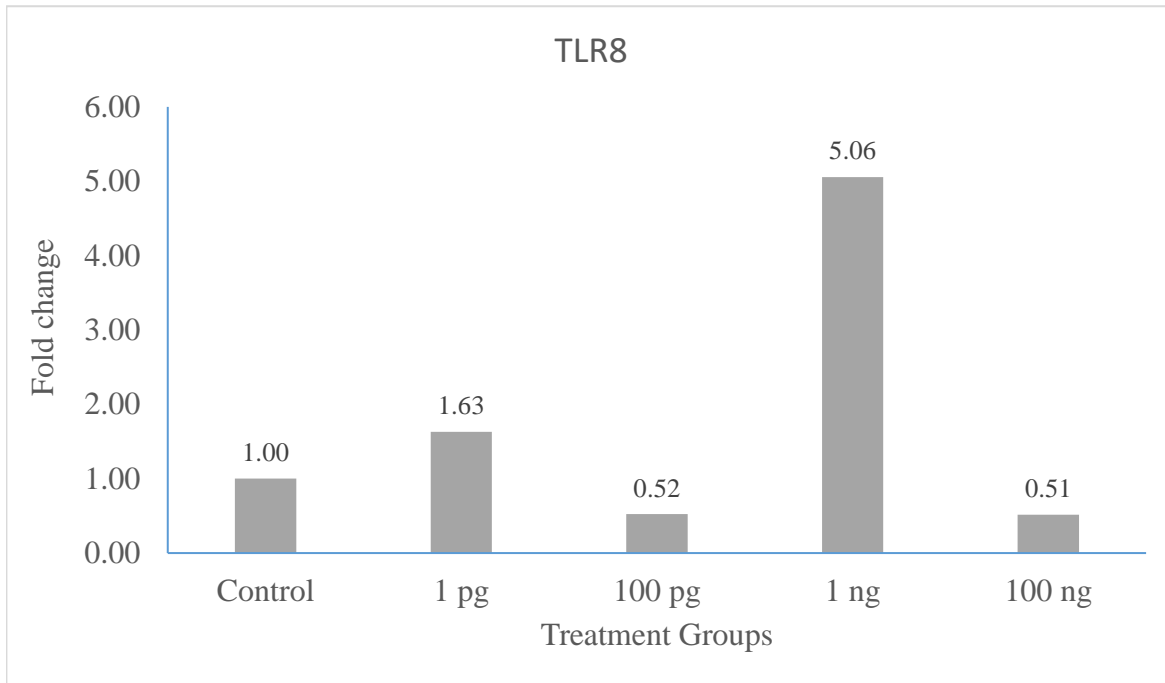
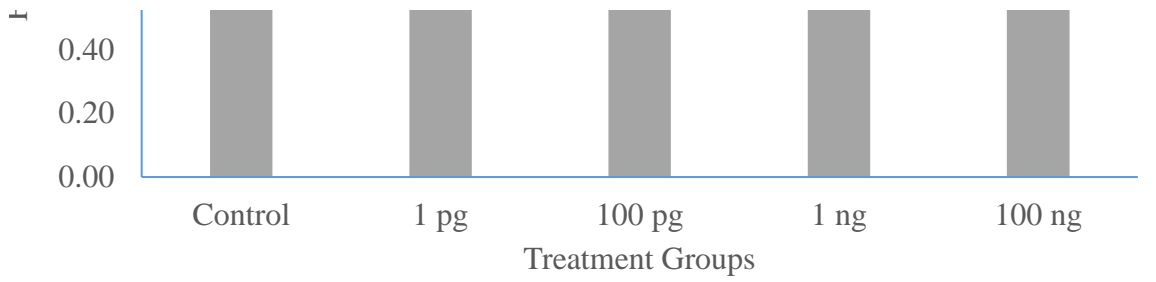


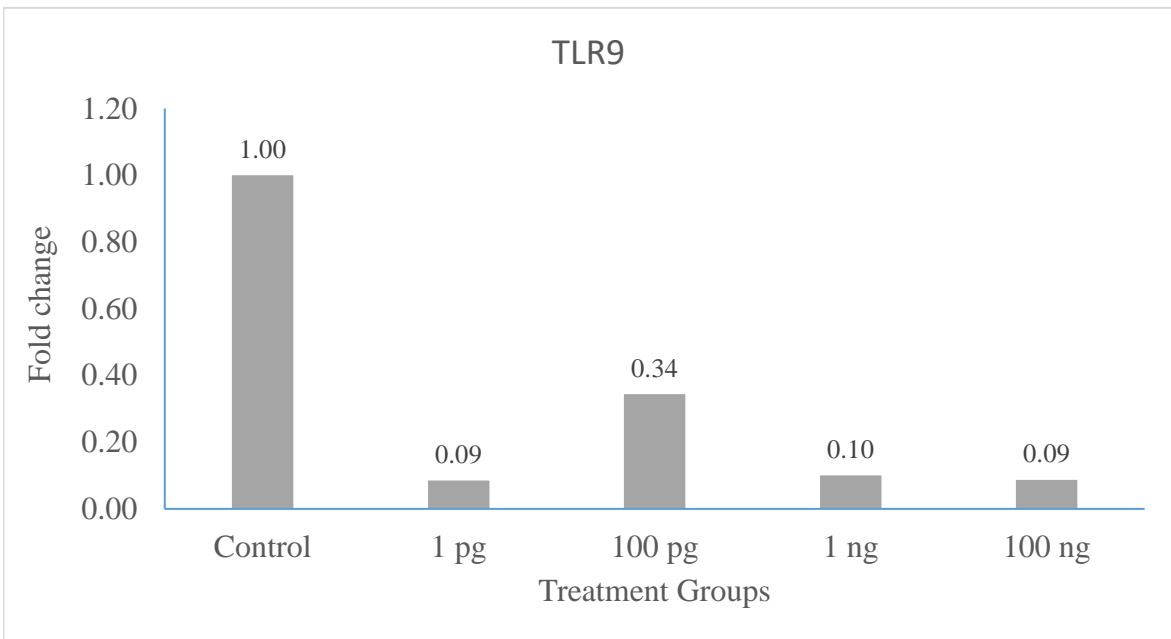
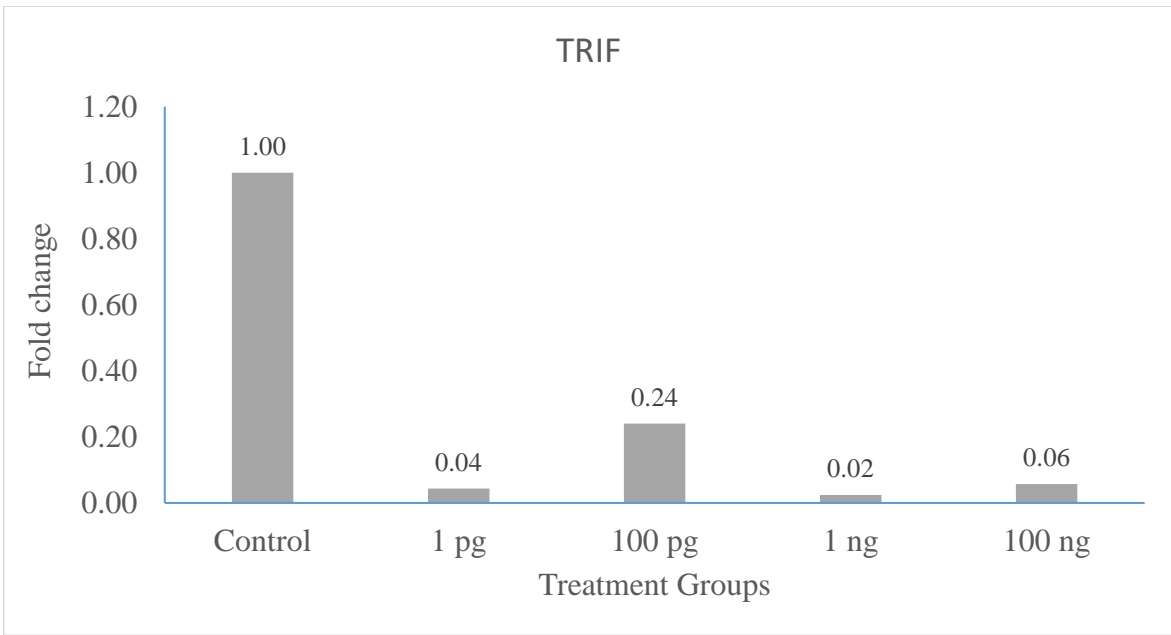












Treatment Group	TLR1	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	33.44	24.50	8.94	0.00	1.00
1 pg	34.35	25.06	9.29	0.35	0.79
100 pg	33.86	25.01	8.85	-0.10	1.07
1 ng	33.62	24.81	8.81	-0.13	1.10
100 ng	34.30	23.53	10.77	1.83	0.28

Treatment Group	TLR6	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	34.83	24.50	10.33	0.00	1.00
1 pg	34.48	25.06	9.42	0.48	0.72
100 pg	35.11	25.01	10.10	1.16	0.45
1 ng	35.45	24.81	10.64	1.70	0.31
100 ng	35.36	23.53	11.83	2.89	0.14

Treatment Group	TLR2	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	33.40	24.50	8.90	0.00	1.00
1 pg	32.87	25.06	7.81	-1.10	2.14
100 pg	34.77	25.01	9.76	0.85	0.55
1 ng	33.49	24.81	8.68	-0.22	1.17
100 ng	33.70	23.53	10.17	1.26	0.42

Treatment Group	TLR3	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	34.13	24.50	9.63	0.00	1.00
1 pg	34.01	25.06	8.95	-0.68	1.60
100 pg	35.45	25.01	10.43	0.80	0.57
1 ng	35.38	24.81	10.57	0.94	0.52
100 ng	35.87	23.53	12.34	2.71	0.15

Treatment Group	TLR4	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	34.37	24.50	9.87	0.00	1.00
1 pg	33.44	25.06	8.38	-1.49	2.81
100 pg	34.36	25.01	9.35	-0.52	1.43
1 ng	34.24	24.81	9.43	-0.43	1.35
100 ng	33.06	23.53	9.53	-0.34	1.27

Treatment Group	TLR5	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	34.09	24.50	9.59	0.00	1.00
1 pg	34.22	25.06	9.16	-0.43	1.34
100 pg	34.22	25.01	9.21	-0.38	1.30
1 ng	35.79	24.81	10.98	1.39	0.38
100 ng	35.68	23.53	12.15	2.56	0.17

Treatment Group	TLR7	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	35.47	24.50	10.96	0.00	1.00
1 pg	35.64	25.06	10.58	-0.39	1.31
100 pg	33.43	25.01	8.42	-2.55	5.85
1 ng	34.22	24.81	9.41	-1.55	2.93
100 ng	35.30	23.53	11.77	0.80	0.57

Treatment Group	TLR8	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	33.62	24.50	9.12	0.00	1.00
1 pg	35.24	25.06	10.18	1.06	0.48
100 pg	35.22	25.01	10.21	1.09	0.47
1 ng	34.53	24.81	9.72	0.60	0.66
100 ng	32.16	23.53	8.63	-0.49	1.41

Treatment Group	TLR10	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	33.18	24.50	8.68	0.00	1.00
1 pg	33.92	25.06	8.86	0.18	0.88
100 pg	32.50	25.01	7.49	-1.19	2.28
1 ng	33.14	24.81	8.33	-0.35	1.27
100 ng	35.66	23.53	12.13	3.45	0.09

Treatment Group	MYD88	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	31.56	24.50	7.06	0.00	1.00
1 pg	31.52	25.06	6.46	-0.60	1.52
100 pg	32.18	25.01	7.17	0.11	0.92
1 ng	30.83	24.81	6.02	-1.04	2.05
100 ng	30.97	23.53	7.44	0.38	0.77

Treatment Group	TRAF6	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	34.28	24.50	9.78	0.00	1.00
1 pg	33.04	25.06	7.97	-1.80	3.49
100 pg	35.04	25.01	10.03	0.25	0.84
1 ng	33.36	24.81	8.55	-1.23	2.34
100 ng	33.94	23.53	10.41	0.63	0.65

Treatment Group	TRAF3	GAPDH	ΔCq	$\Delta\Delta Cq$	hange $2^{\Delta\Delta Cq}$
Control	32.20	24.50	7.70	0.00	1.00
1 pg	31.97	25.06	6.90	-0.79	1.73
100 pg	31.86	25.01	6.85	-0.85	1.81
1 ng	31.75	24.81	6.94	-0.76	1.69
100 ng	31.86	23.53	8.33	0.63	0.65

Treatment Group	TRIF	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$
Control	35.88	24.50	11.38	0.00	1.00
1 pg	35.37	25.06	10.30	-1.08	2.11
100 pg	34.54	25.01	9.53	-1.85	3.60
1 ng	34.58	24.81	9.77	-1.61	3.05
100 ng	32.56	23.53	9.03	-2.35	5.11

Treatment Group	IARK4	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$
Control	31.50	24.50	6.99	0.00	1.00
1 pg	29.81	25.06	4.75	-2.24	4.74
100 pg	30.38	25.01	5.37	-1.62	3.08
1 ng	29.05	24.81	4.24	-2.75	6.75
100 ng	29.16	23.53	5.63	-1.37	2.58

Treatment Group	TLR9	GAPDH	ΔCq	$\Delta\Delta Cq$	change $2^{-\Delta\Delta Cq}$
Control	33.61	24.5	9.11	0.00	1.00
1 pg	33.39	25.06	8.33	-0.78	1.72
100 pg	33.33	25.01	8.32	-0.79	1.73
1 ng	33.18	24.81	8.37	-0.74	1.67
100 ng	34.07	23.53	10.54	1.43	0.37
Treatment Details	Control	1pg	100pg	1ng	100ng
TLR1	1	0.79	1.07	1.10	0.28
TLR2	1	2.14	0.55	1.17	0.42
TLR3	1	1.60	0.57	0.52	0.15
TLR4	1	2.81	1.43	1.35	1.27
TLR5	1	1.34	1.30	0.38	0.17
TLR6	1	1.88	1.17	0.81	0.35
TLR7	1	1.31	5.85	2.93	0.57
TLR8	1	0.48	0.47	0.66	1.41
TLR9	1	1.72	1.73	1.66	0.37
TLR10	1	0.88	2.28	1.27	0.09
MYD88	1	1.52	0.92	2.05	0.77
TRAF6	1	3.49	0.84	2.34	0.65
TRAF3	1	1.73	1.81	1.69	0.65
TRIF	1	2.11	3.60	3.05	5.11
IARK4	1	4.74	3.08	6.75	2.58

