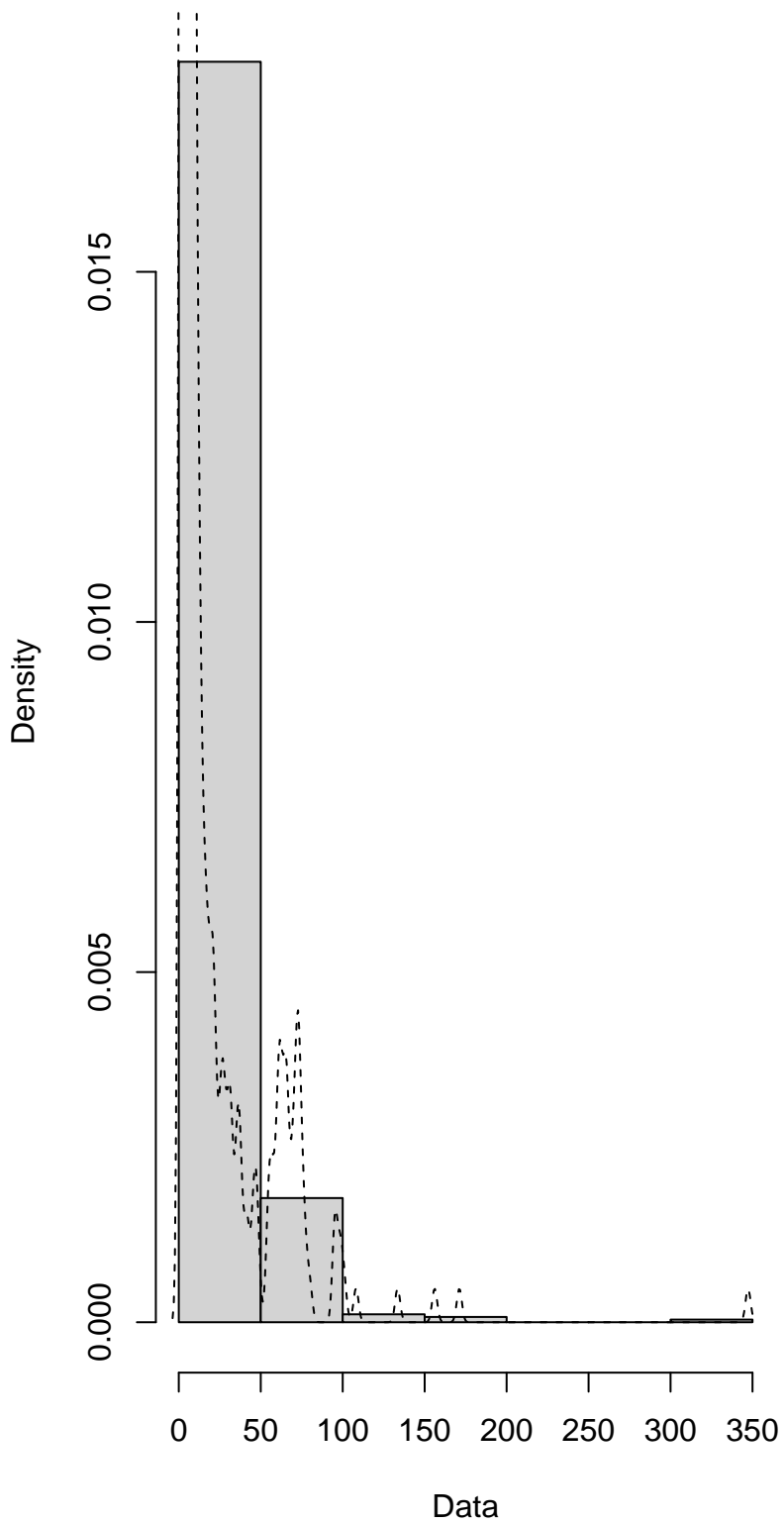


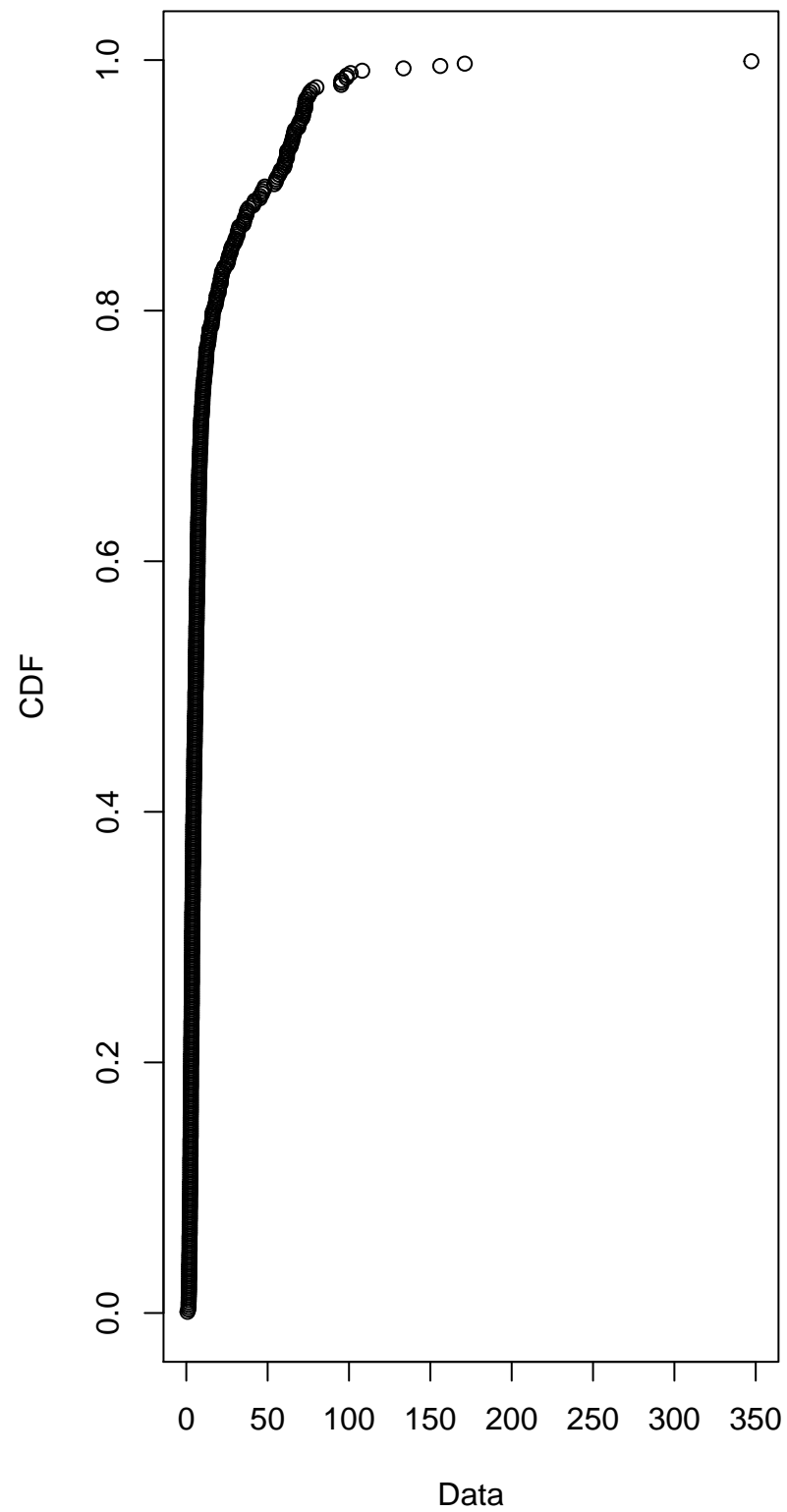
Summary of the variable

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.7425	3.4000	5.8000	15.3280	11.2750	347.3112	85

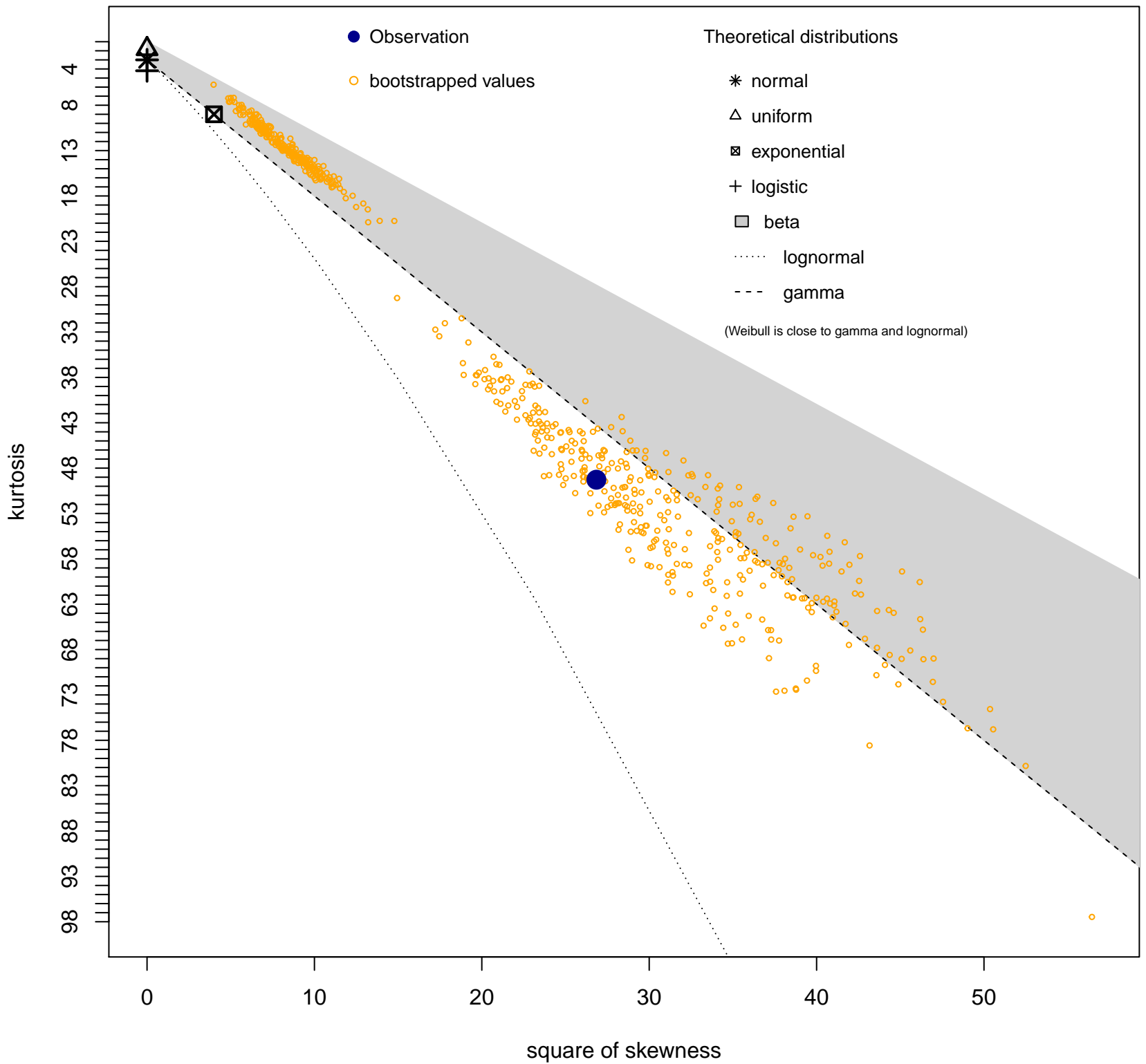
Empirical density



Cumulative distribution



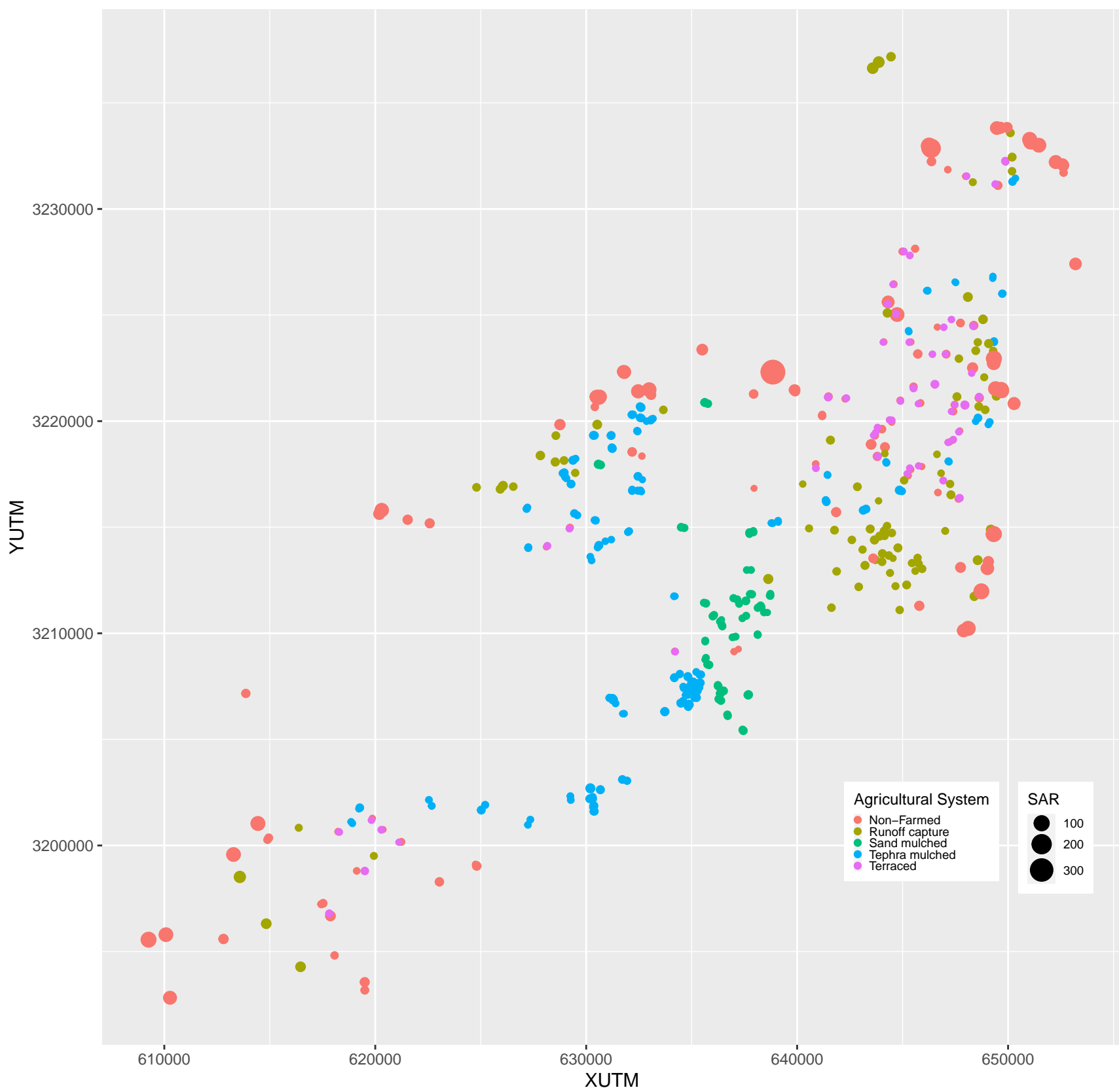
Cullen and Frey graph



Shapiro–Wilk test for normality

Shapiro–Wilk normality test
data: dataframe[, variable_chr]
W = 0.49535, p-value < 2.2e-16

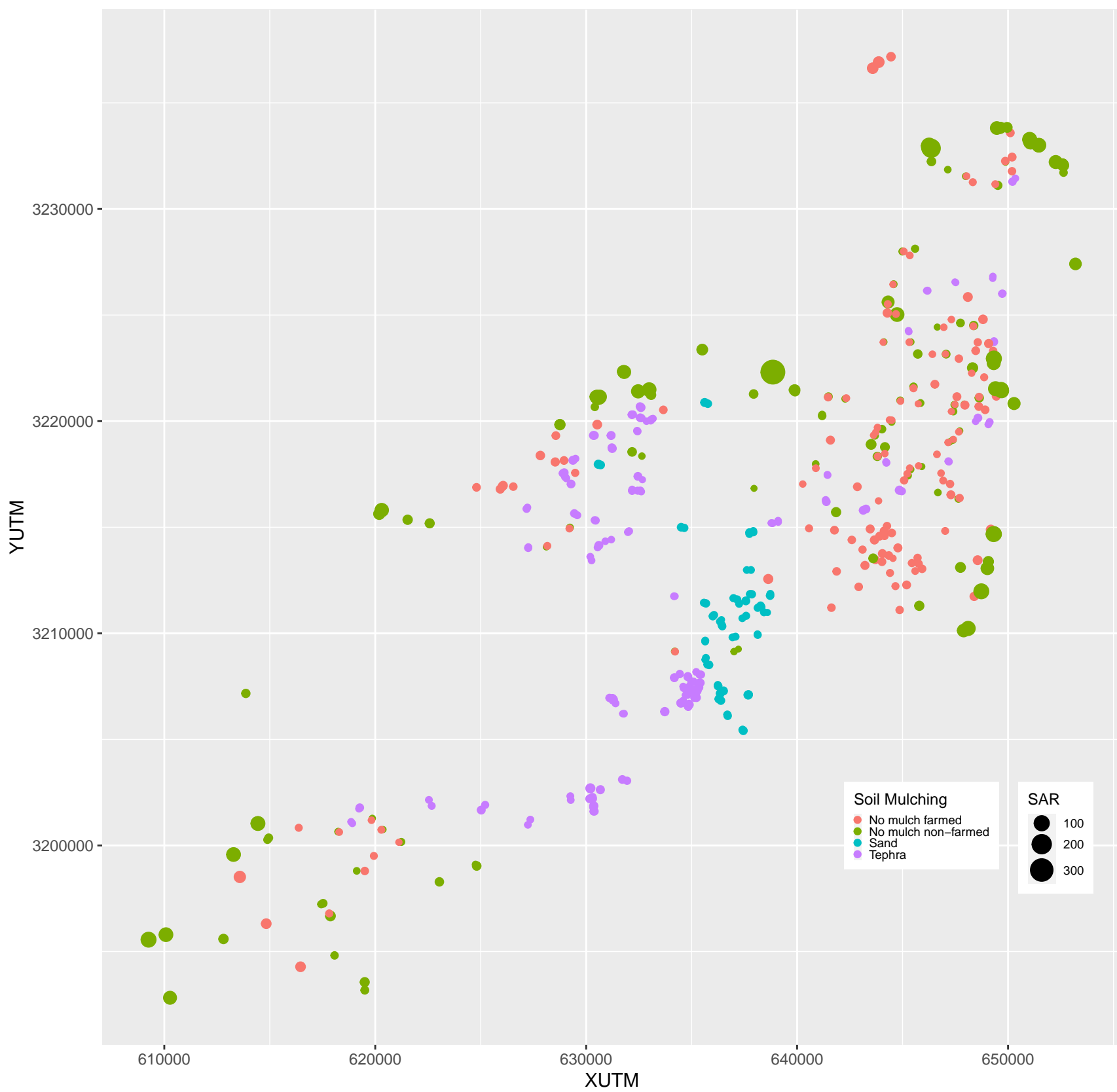
SAR according to location and Agricultural System



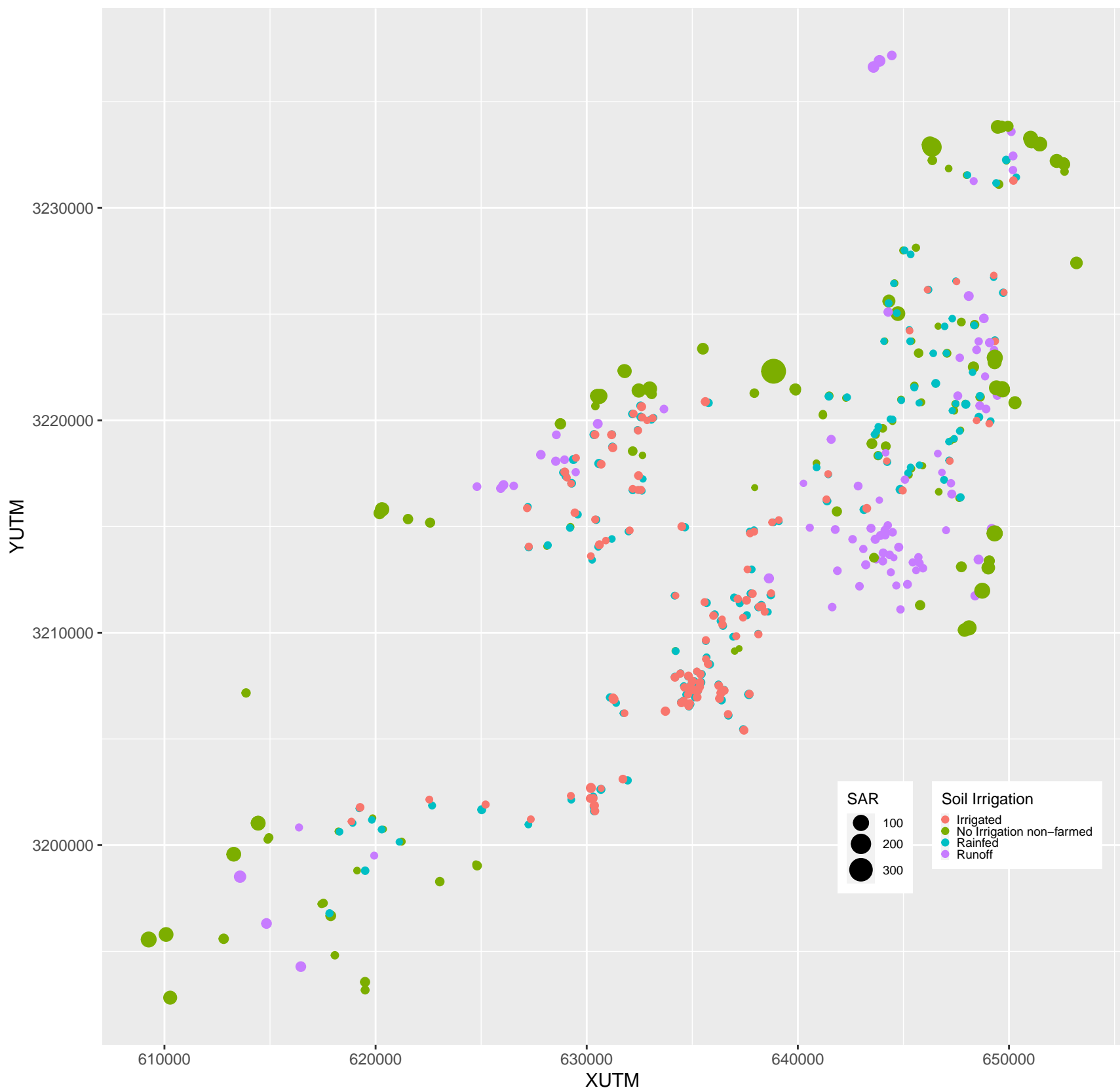
SAR according to location and Soil Farming



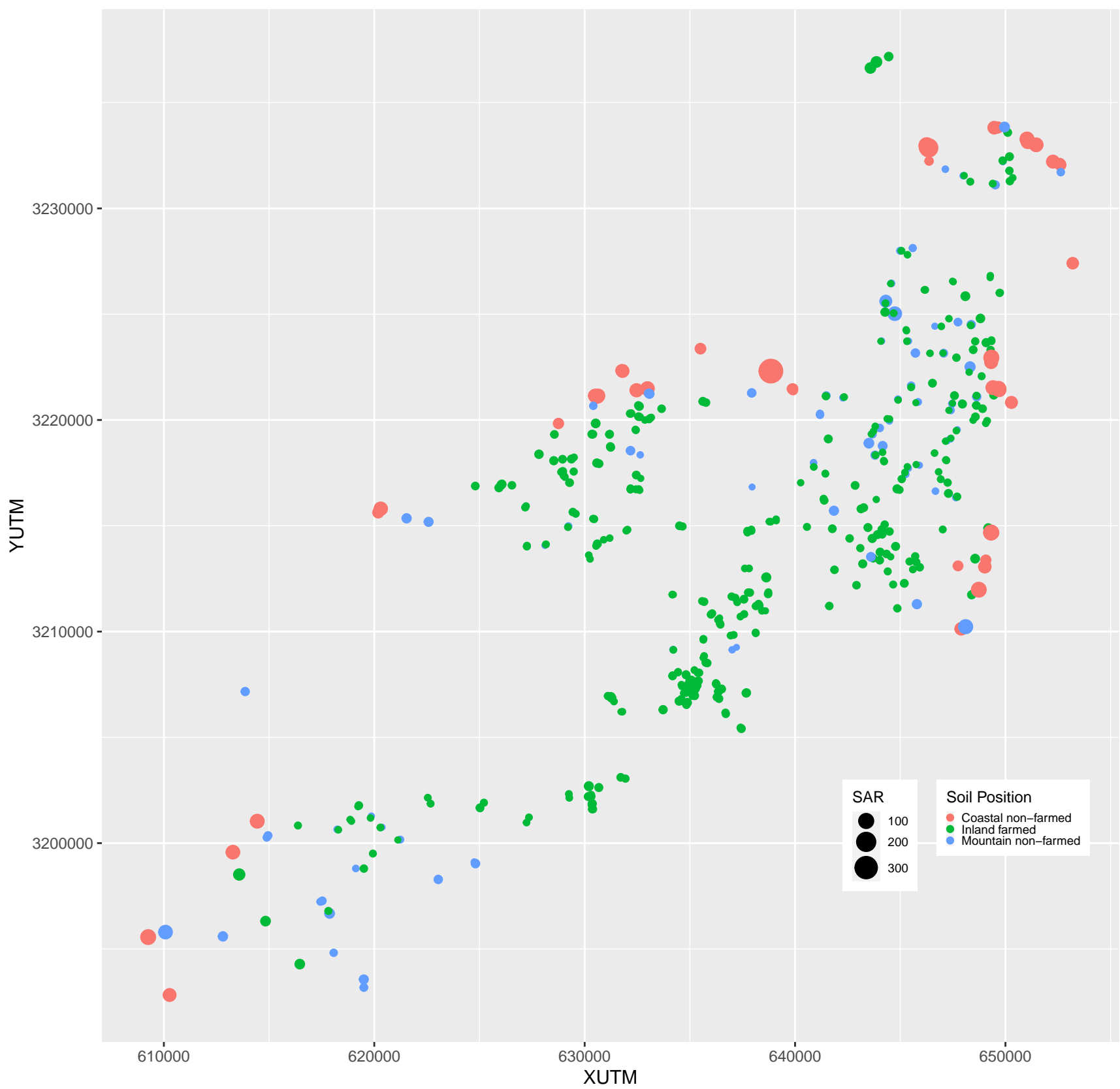
SAR according to location and Soil Mulching



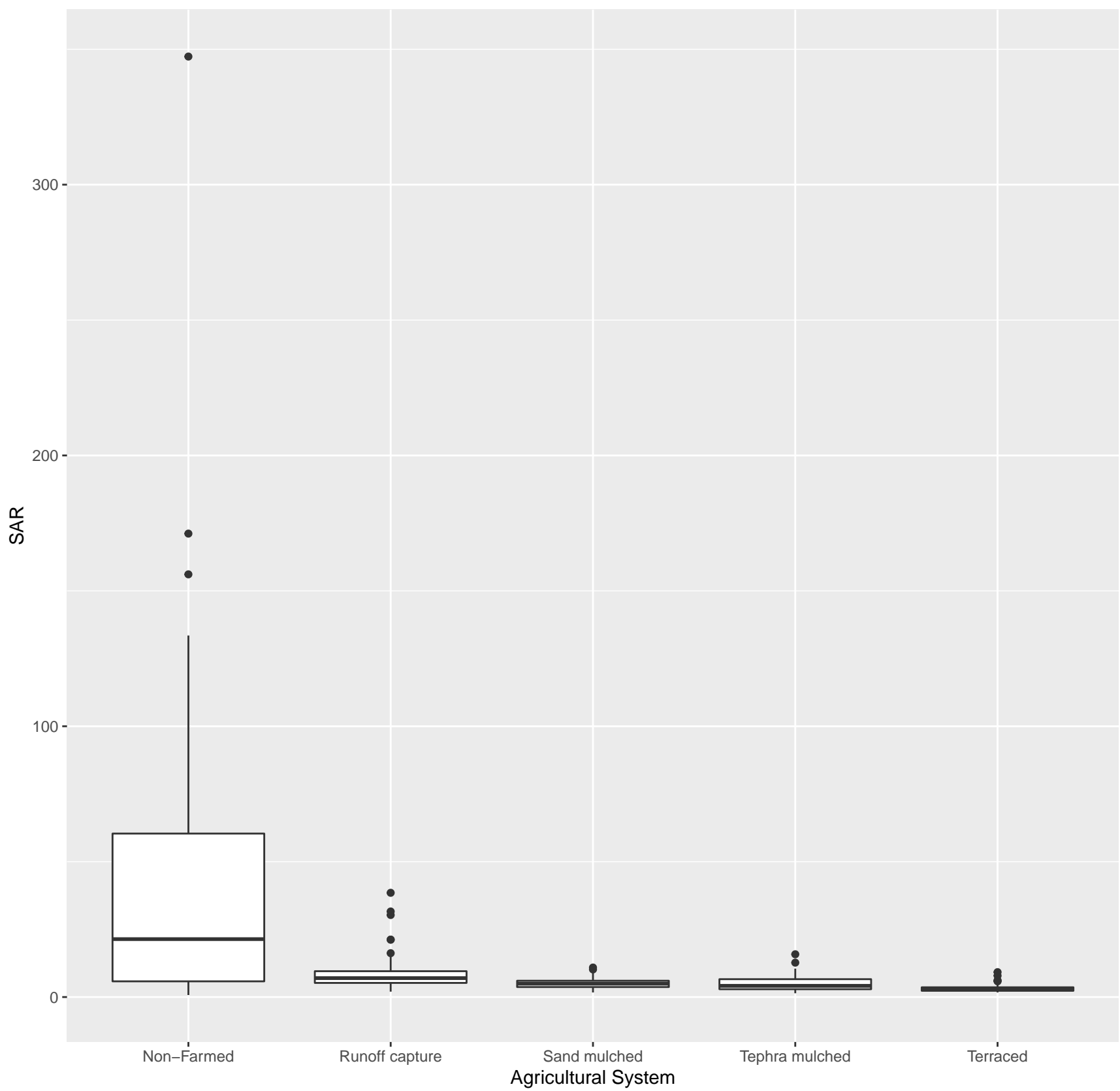
SAR according to location and Soil Irrigation



SAR according to location and Soil Position



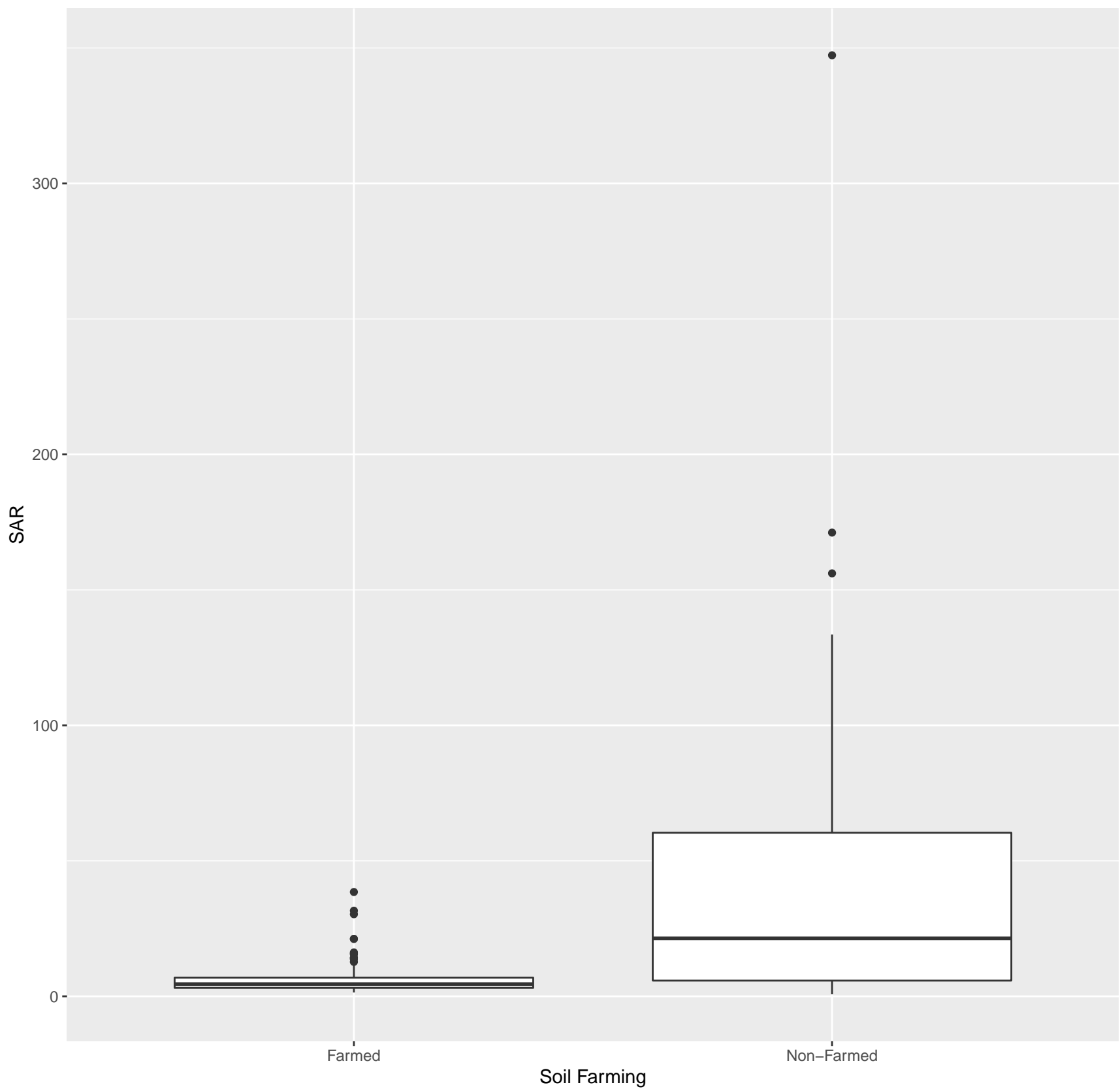
SAR to Agricultural System



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	SAR	Non-Farmed	Runoff capture	178	82	10311.0	8.96e-08	3.58e-07	****
2	SAR	Non-Farmed	Sand mulched	178	60	8221.0	4.22e-10	2.53e-09	****
3	SAR	Non-Farmed	Tephra mulched	178	160	22741.0	2.61e-21	2.61e-20	****
4	SAR	Non-Farmed	Terraced	178	50	7643.0	9.41e-15	8.47e-14	****
5	SAR	Runoff capture	Sand mulched	82	60	3592.5	2.93e-06	8.79e-06	****
6	SAR	Runoff capture	Tephra mulched	82	160	9937.0	5.69e-11	3.98e-10	****
7	SAR	Runoff capture	Terraced	82	50	3686.0	1.68e-14	1.34e-13	****
8	SAR	Sand mulched	Tephra mulched	60	160	5706.0	3.10e-02	3.10e-02	*
9	SAR	Sand mulched	Terraced	60	50	2456.5	9.35e-09	4.68e-08	****
10	SAR	Tephra mulched	Terraced	160	50	5616.5	1.63e-05	3.26e-05	****

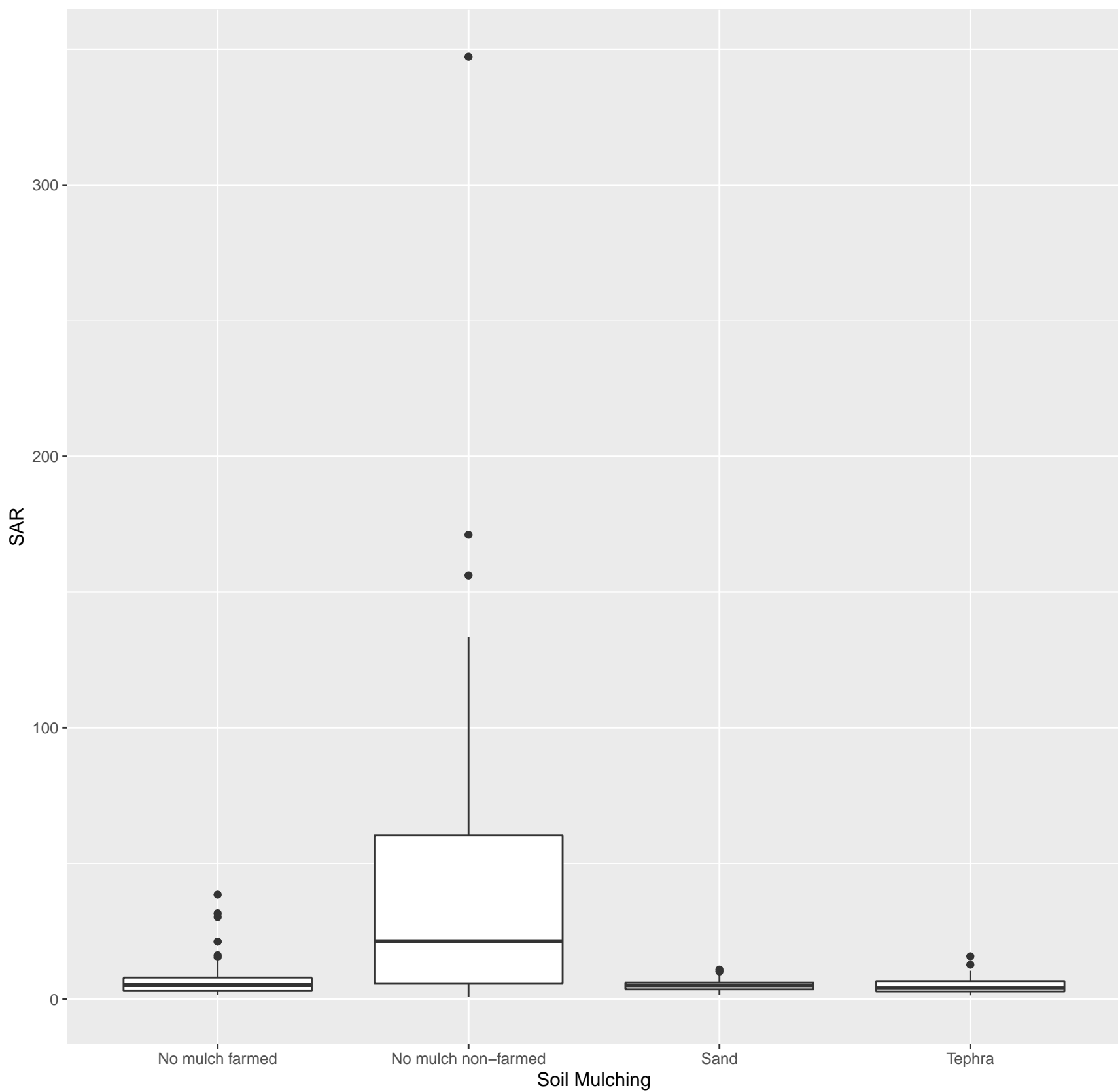
SAR to Soil Farming



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p
1	SAR	Farmed	Non-Farmed	352	178	13740	4.42e-26

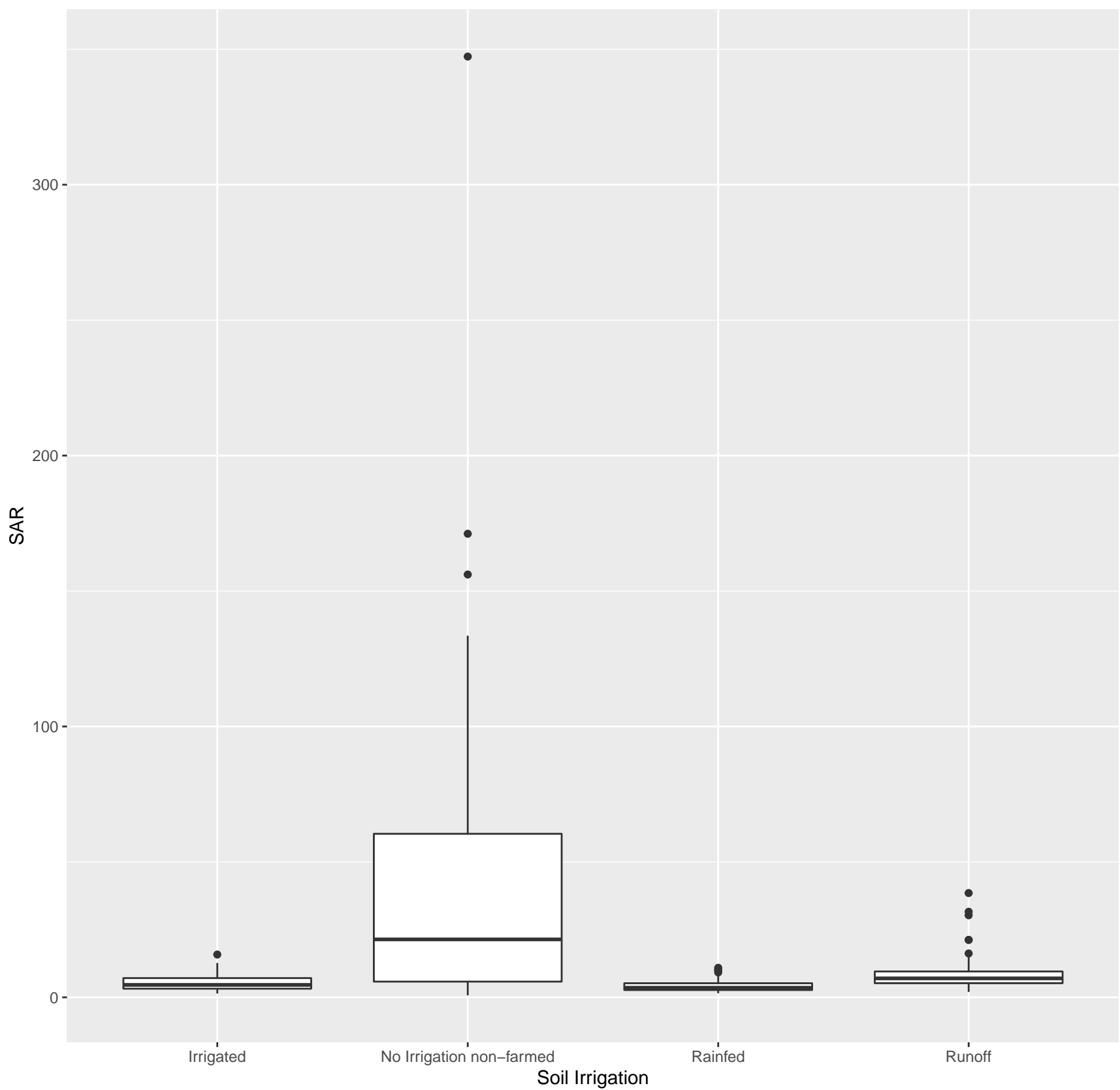
SAR to Soil Mulching



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	SAR	No mulch farmed	No mulch non-farmed	132	178	5542.0	1.83e-15	9.15e-15	****
2	SAR	No mulch farmed	Sand	132	60	4136.0	6.23e-01	6.23e-01	ns
3	SAR	No mulch farmed	Tephra	132	160	12320.5	1.40e-02	4.30e-02	*
4	SAR	No mulch non-farmed	Sand	178	60	8221.0	4.22e-10	1.69e-09	****
5	SAR	No mulch non-farmed	Tephra	178	160	22741.0	2.61e-21	1.57e-20	****
6	SAR	Sand	Tephra	60	160	5706.0	3.10e-02	6.20e-02	ns

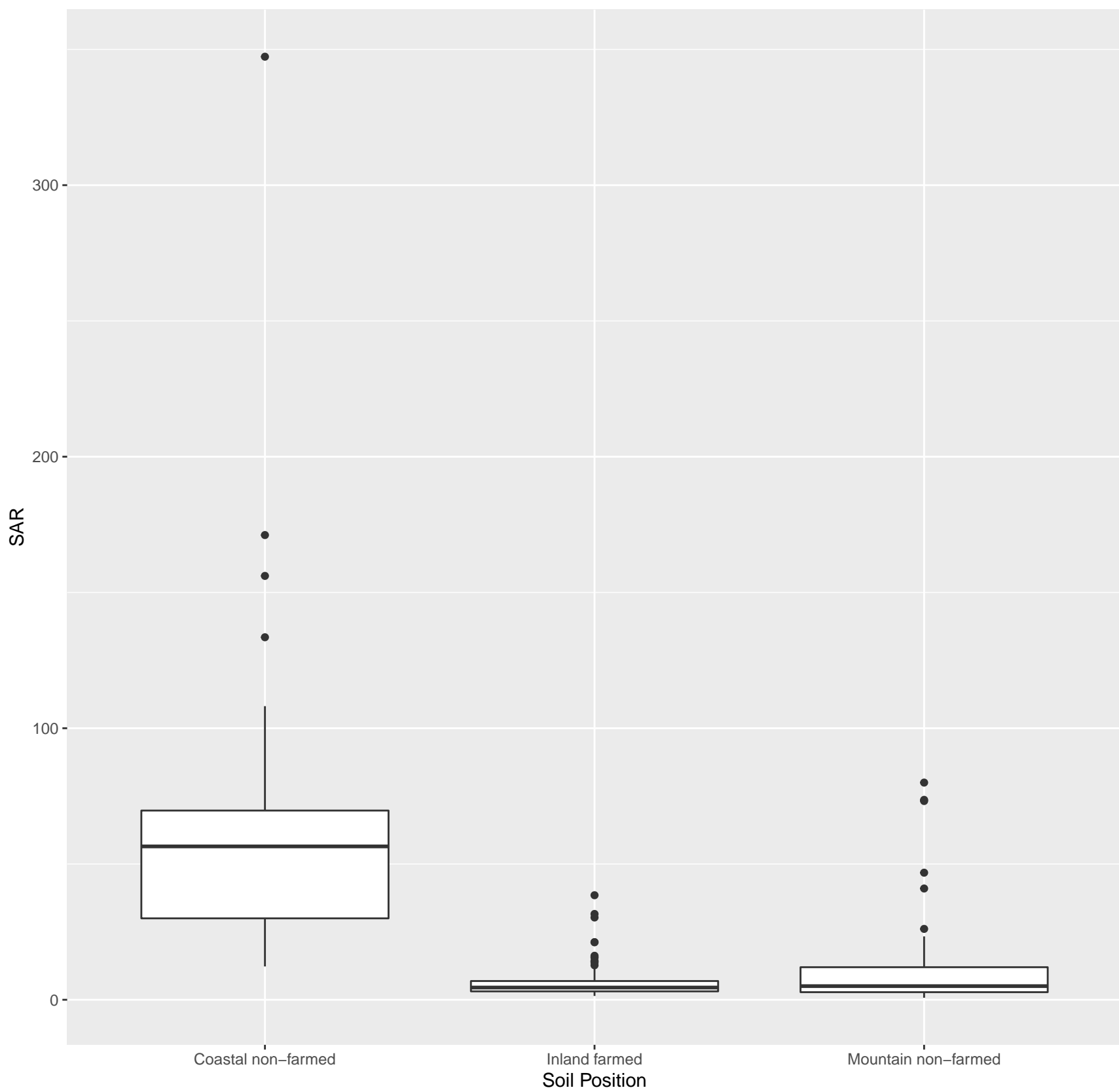
SAR to Soil Irrigation



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	SAR	Irrigated	No Irrigation non-farmed	110	178	4301.0	1.32e-15	5.28e-15	****
2	SAR	Irrigated	Rainfed	110	160	11173.0	1.67e-04	1.67e-04	***
3	SAR	Irrigated	Runoff	110	82	2623.0	7.28e-07	1.46e-06	****
4	SAR	No Irrigation non-farmed	Rainfed	178	160	23326.0	4.07e-24	2.44e-23	****
5	SAR	No Irrigation non-farmed	Runoff	178	82	10311.0	8.96e-08	2.69e-07	****
6	SAR	Rainfed	Runoff	160	82	2301.5	1.43e-16	7.15e-16	****

SAR to Soil Position



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	SAR	Coastal non-farmed	Inland farmed	92	352	32254	1.20e-48	3.60e-48	****
2	SAR	Coastal non-farmed	Mountain non-farmed	92	86	7507	4.89e-25	9.78e-25	****
3	SAR	Inland farmed	Mountain non-farmed	352	86	13610	1.47e-01	1.47e-01	ns