Summary of the variable

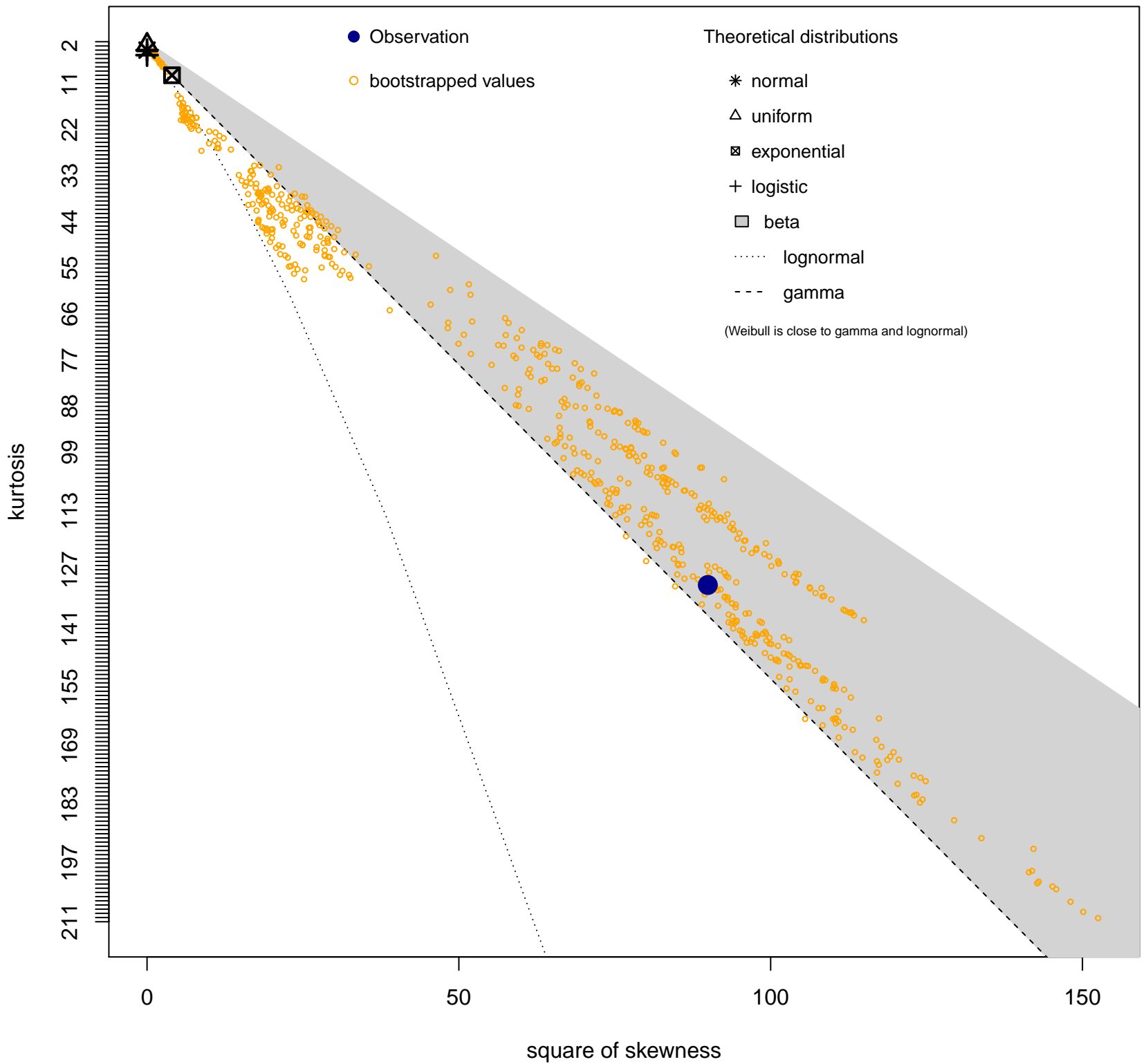| Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.300	1.300	1.900	2.304	2.750	36.900	212

Empirical density
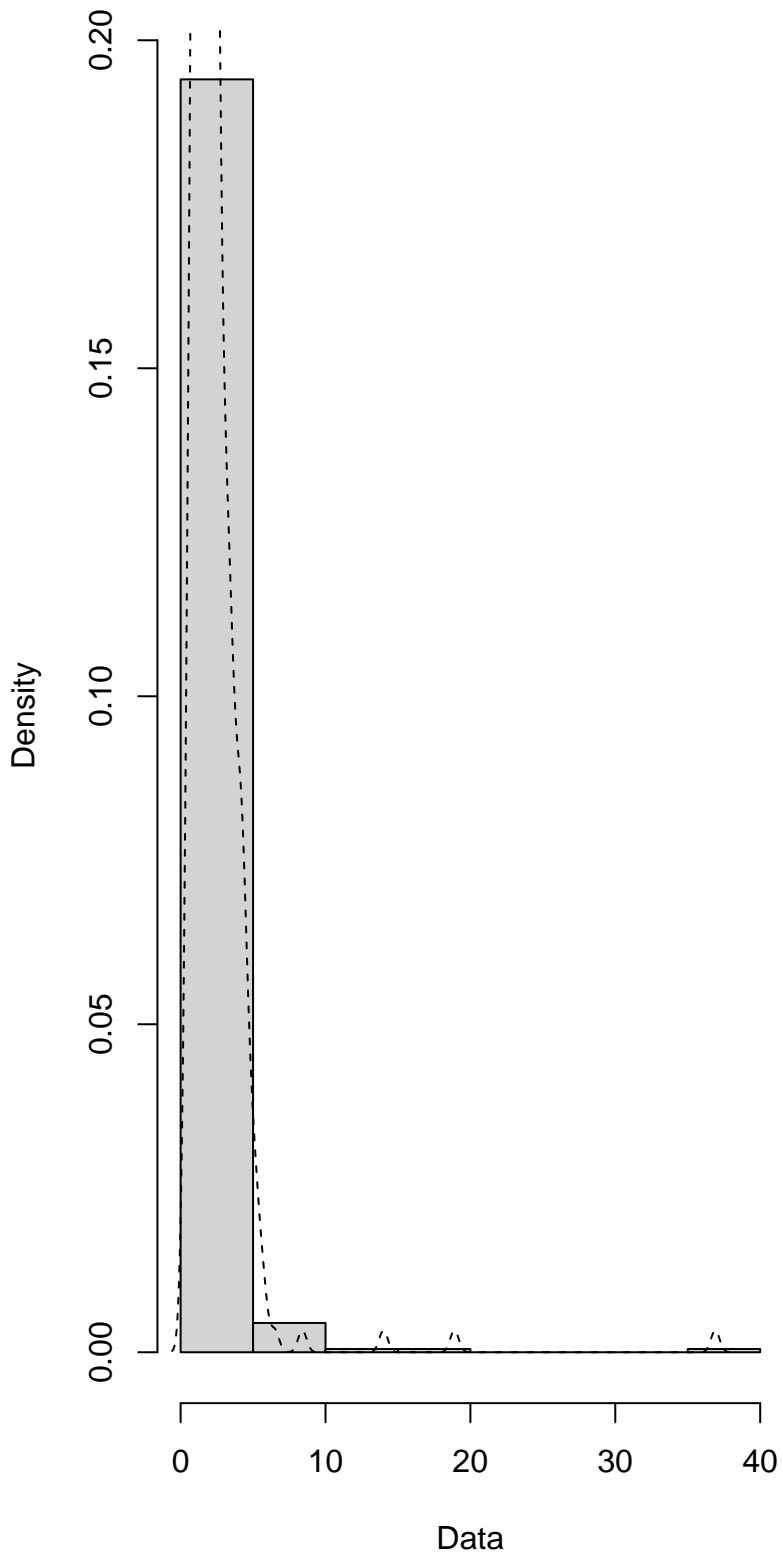
Cumulative distribution
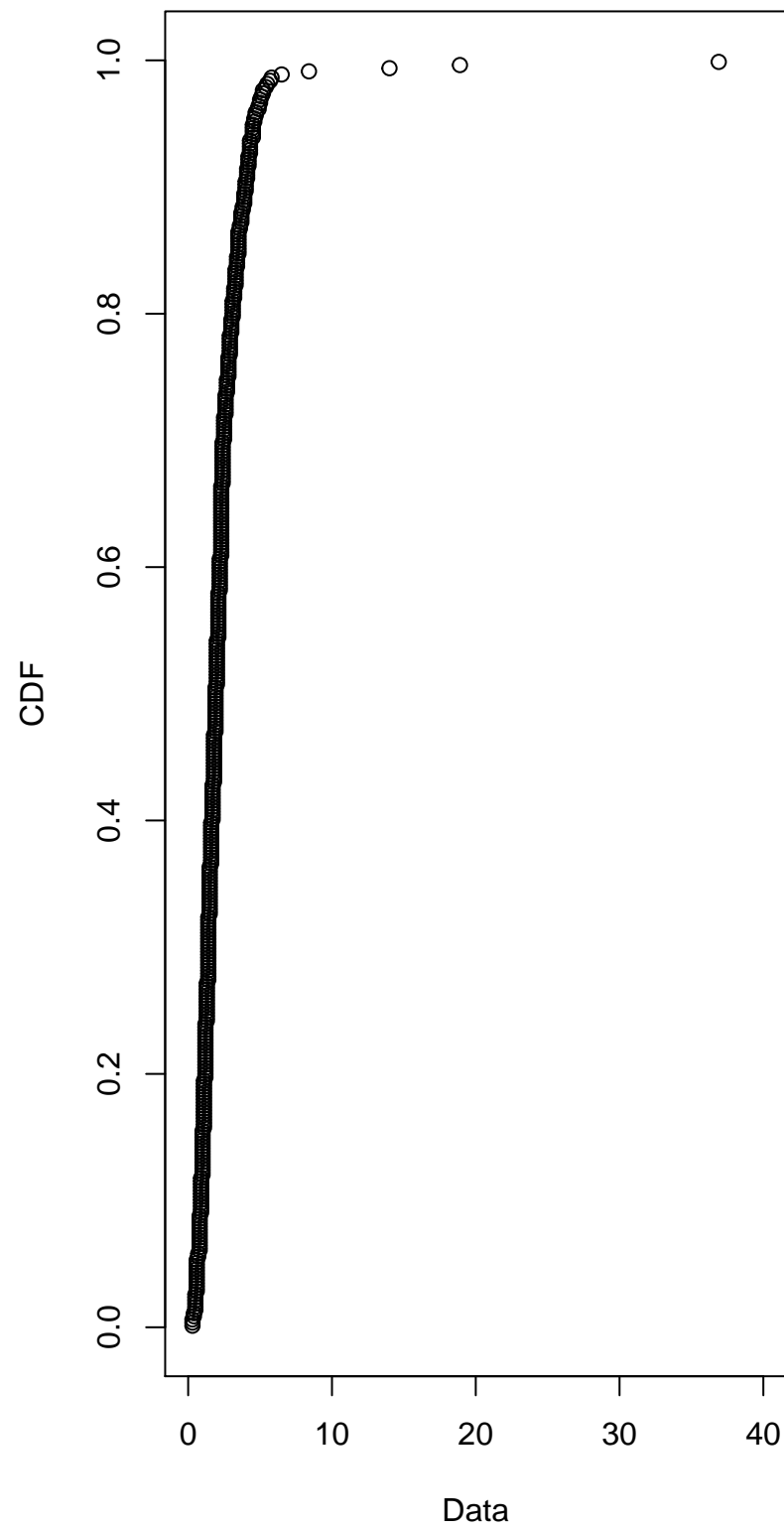
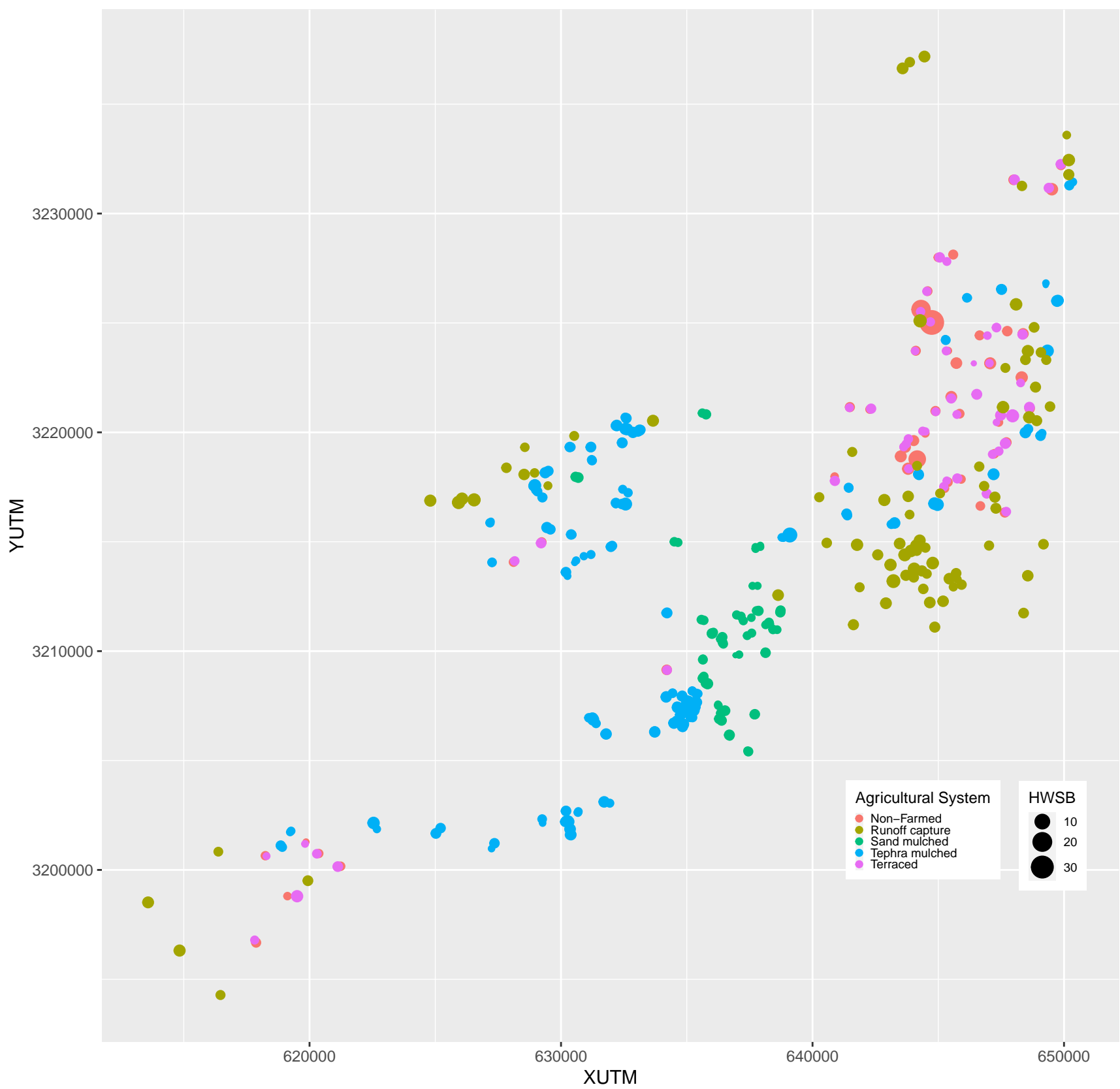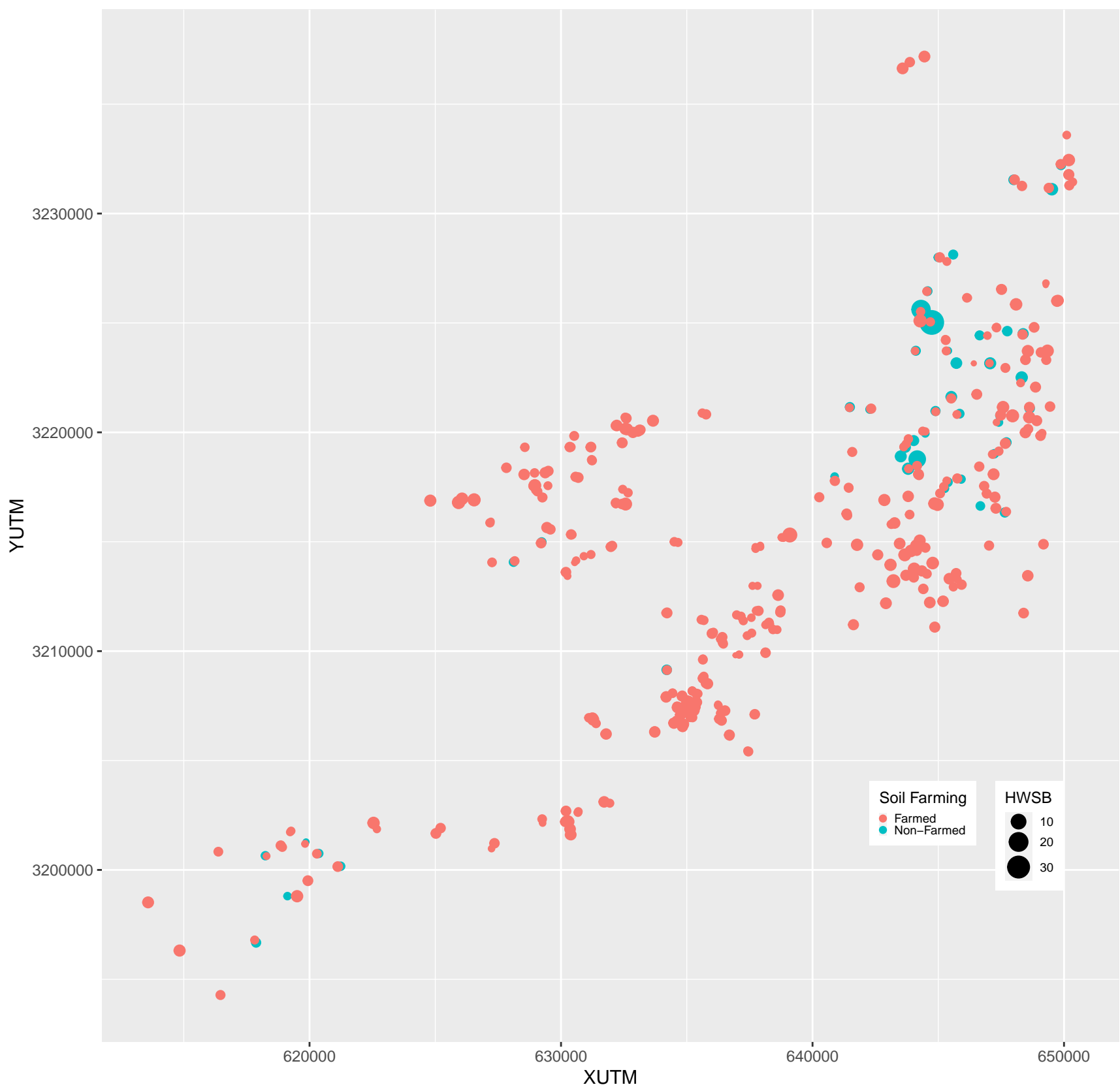**Cullen and Frey graph**

Shapiro−Wilk test for normality

Shapiro−Wilk normality test

data: dataframe[, variable_chr]
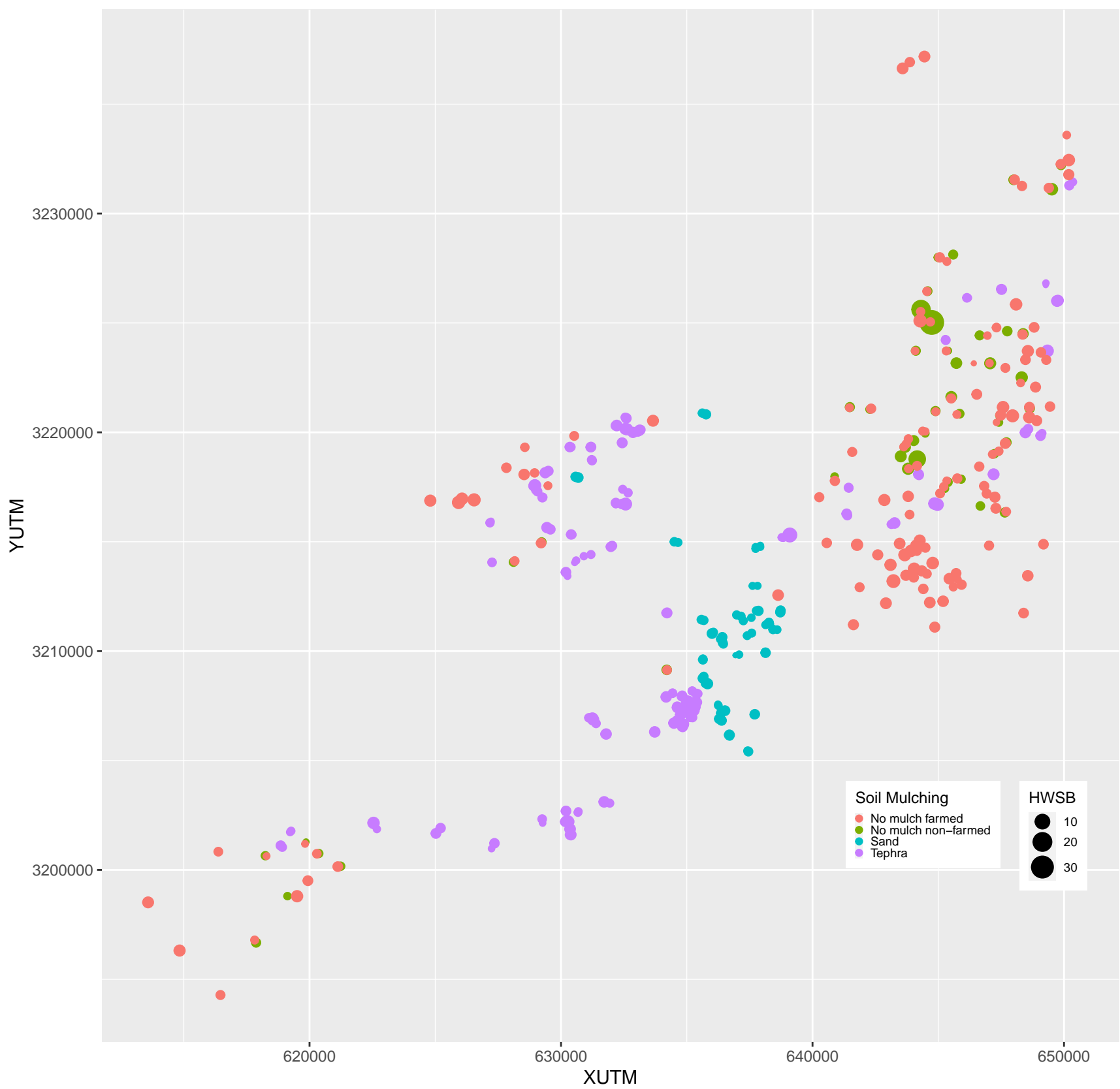W = 0.44426, p−value < 2.2e−16

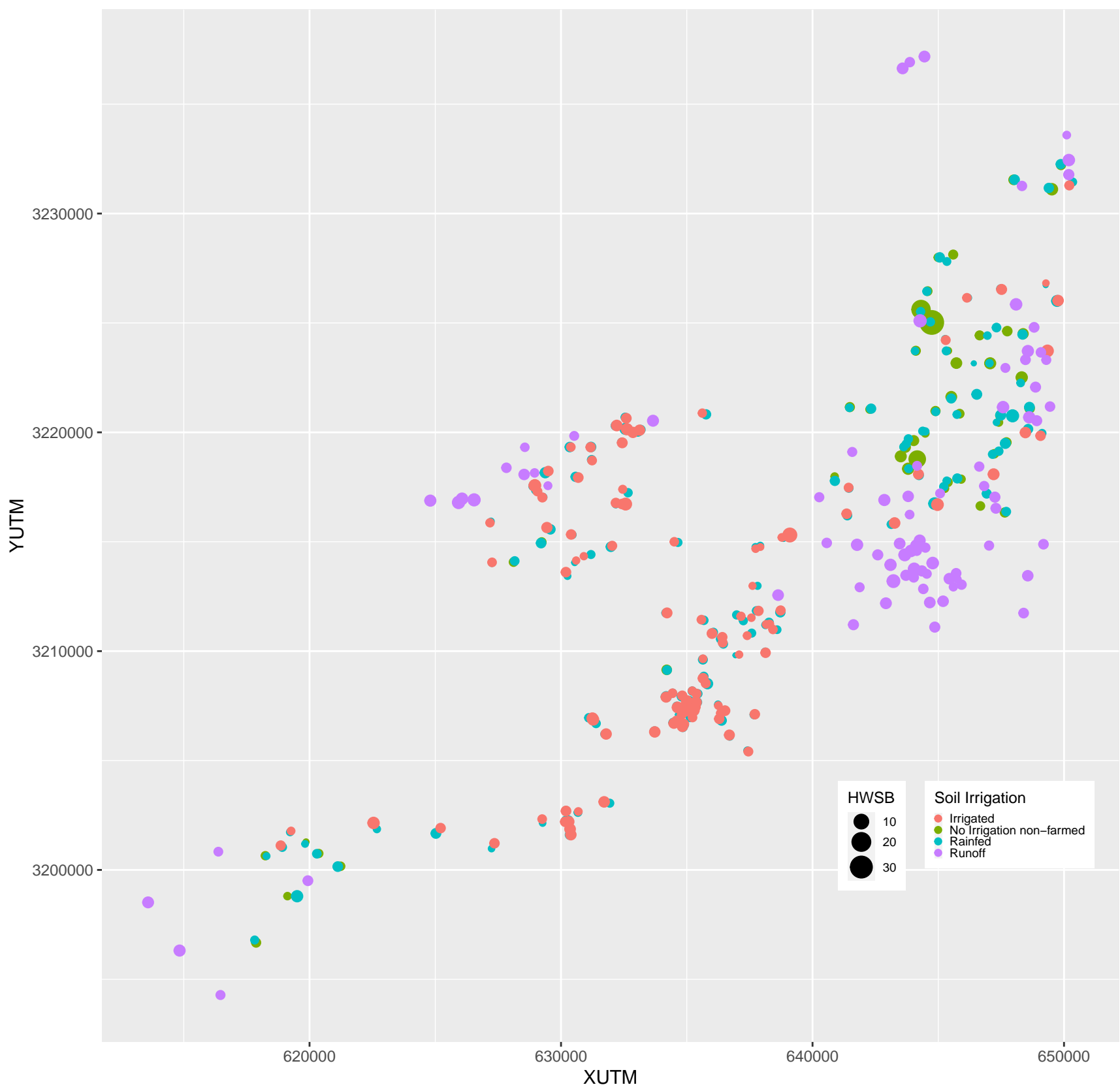HWSB according to location and Agricultural System

HWSB according to location and Soil Farming

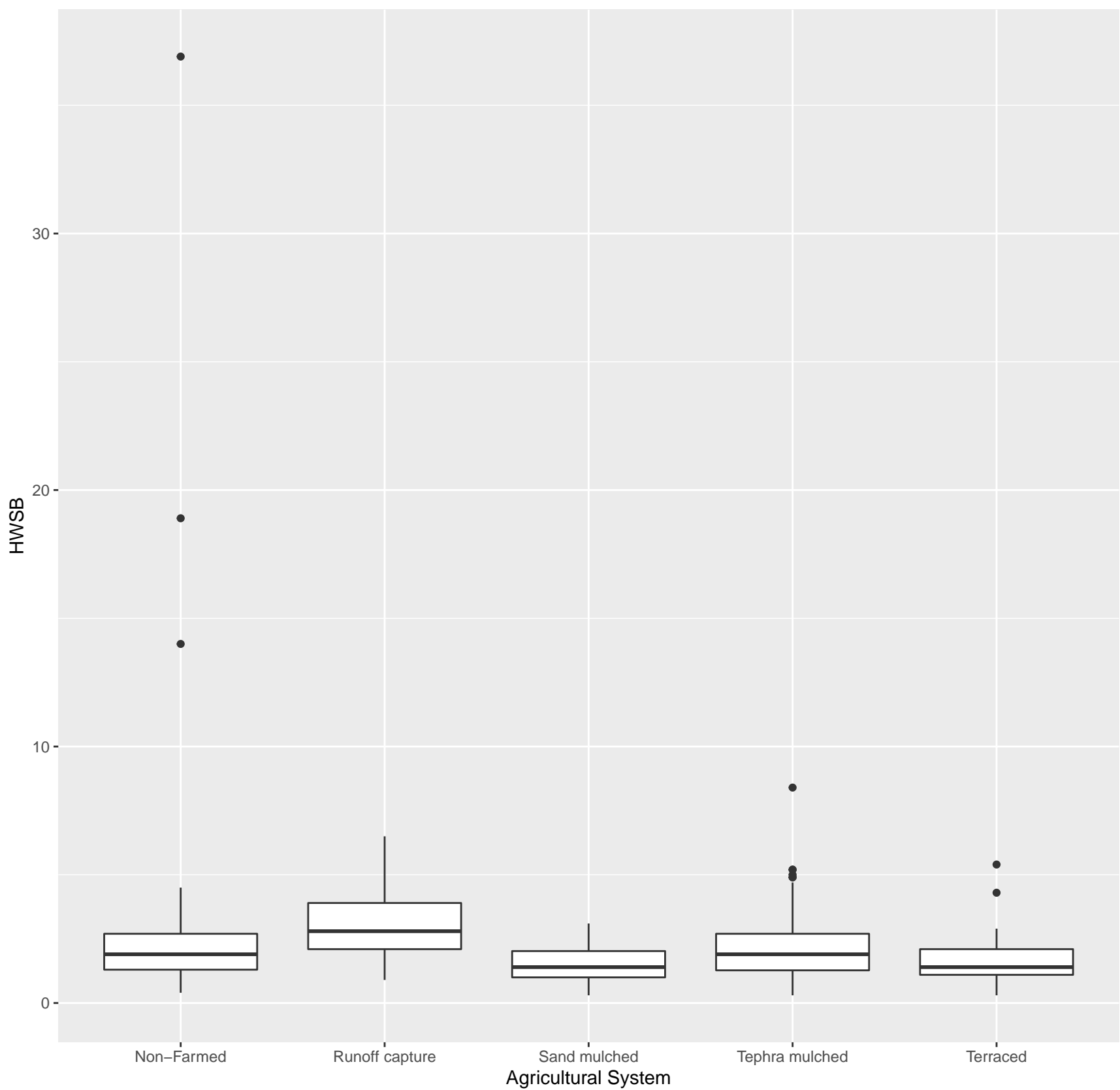HWSB according to location and Soil Mulching

HWSB according to location and Soil Irrigation

HWSB according to location and Soil Position

HWSB to Agricultural System

Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	HWSB	Non−Farmed	Runoff capture	50	83	1232.5	9.10e−05	6.37e−04	***
2	HWSB	Non−Farmed	Sand mulched	50	60	1985.5	4.00e−03	1.80e−02	*
3	HWSB	Non−Farmed	Tephra mulched	50	160	4110.0	7.70e−01	9.38e−01	ns
4	HWSB	Non−Farmed	Terraced	50	50	1555.5	3.50e−02	1.06e−01	ns
5	HWSB	Runoff capture	Sand mulched	83	60	4339.5	3.78e−14	3.78e−13	****
6	HWSB	Runoff capture	Tephra mulched	83	160	9569.5	1.71e−08	1.37e−07	****
7	HWSB	Runoff capture	Terraced	83	50	3443.5	2.04e−10	1.84e−09	****
8	HWSB	Sand mulched	Tephra mulched	60	160	3287.5	3.20e−04	2.00e−03	**
9	HWSB	Sand mulched	Terraced	60	50	1379.0	4.69e−01	9.38e−01	ns
10	HWSB	Tephra mulched	Terraced	160	50	4937.5	1.20e−02	5.00e−02	*

HWSB to Soil Farming
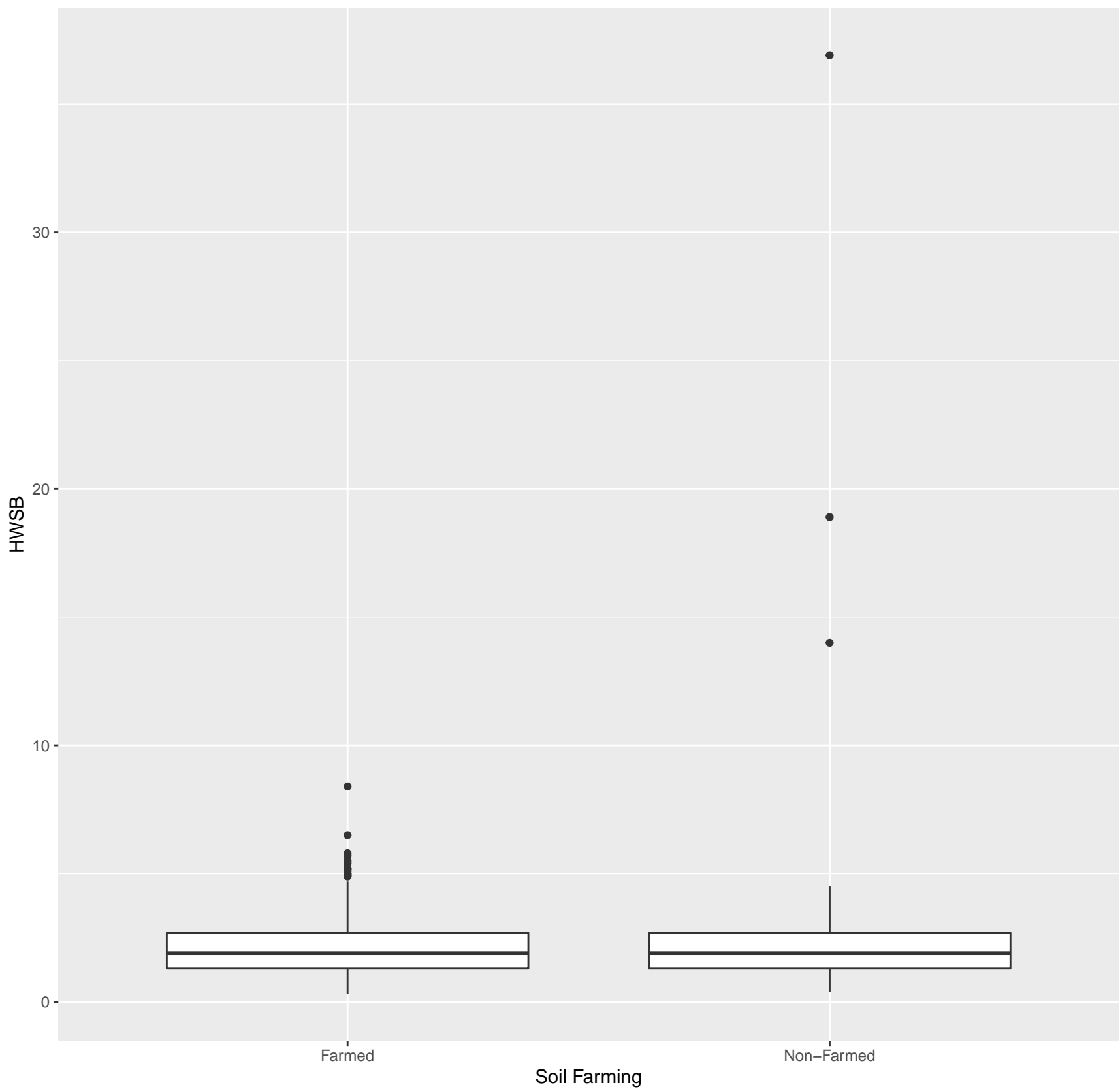
Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p
1	HWSB	Farmed	Non–Farmed	353	50	8766.5	0.94

HWSB to Soil Mulching
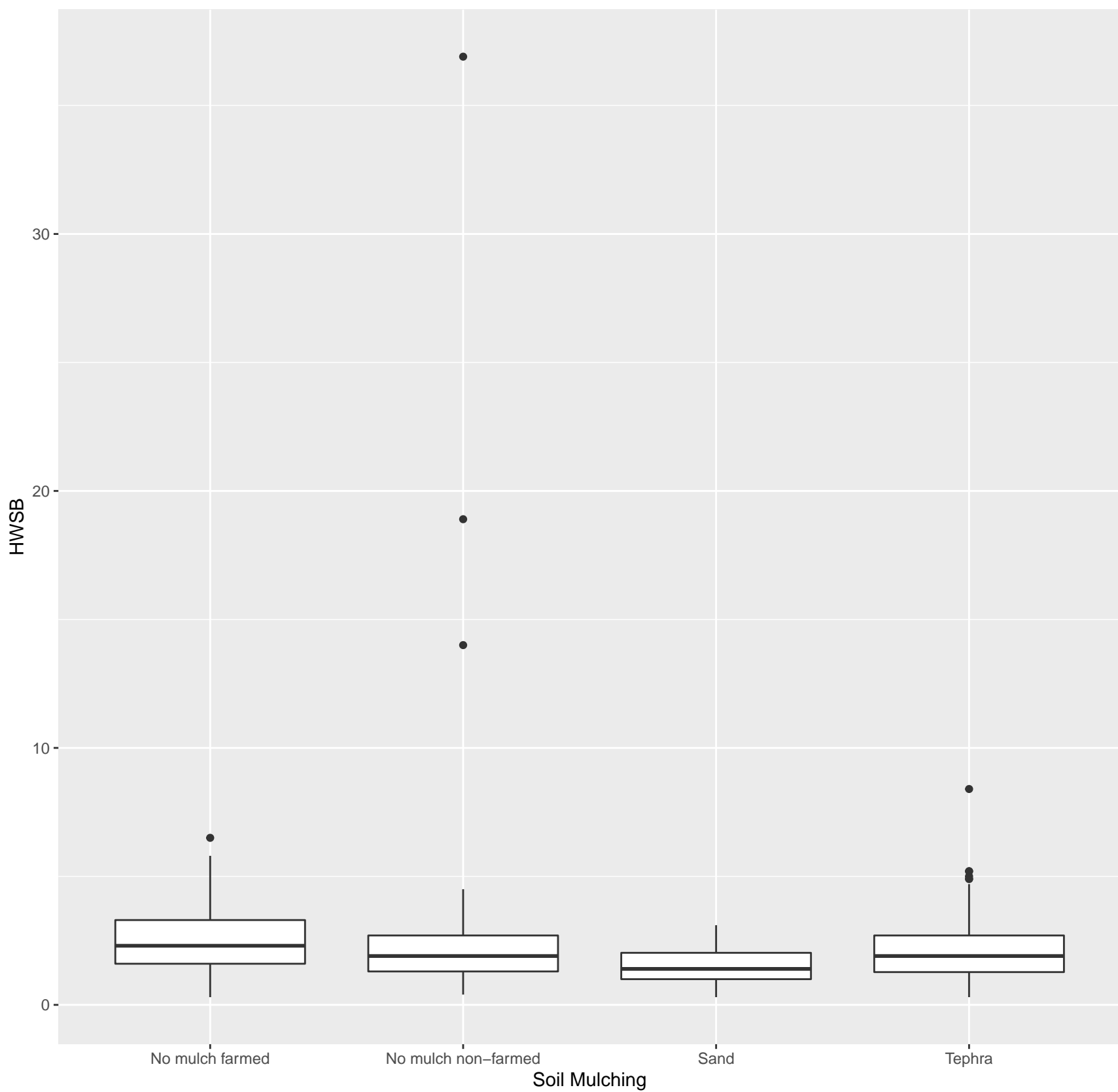
Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	HWSB	No mulch farmed	No mulch non–farmed	133	50	3862.0	9.30e−02	1.86e−01	ns
2	HWSB	No mulch farmed	Sand	133	60	5960.5	4.06e−08	2.44e−07	****
3	HWSB	No mulch farmed	Tephra	133	160	12632.0	6.00e−03	1.70e−02	*
4	HWSB	No mulch non–farmed	Sand	50	60	1985.5	4.00e−03	1.40e−02	*
5	HWSB	No mulch non–farmed	Tephra	50	160	4110.0	7.70e−01	7.70e−01	ns
6	HWSB	Sand	Tephra	60	160	3287.5	3.20e−04	2.00e−03	**

HWSB to Soil Irrigation
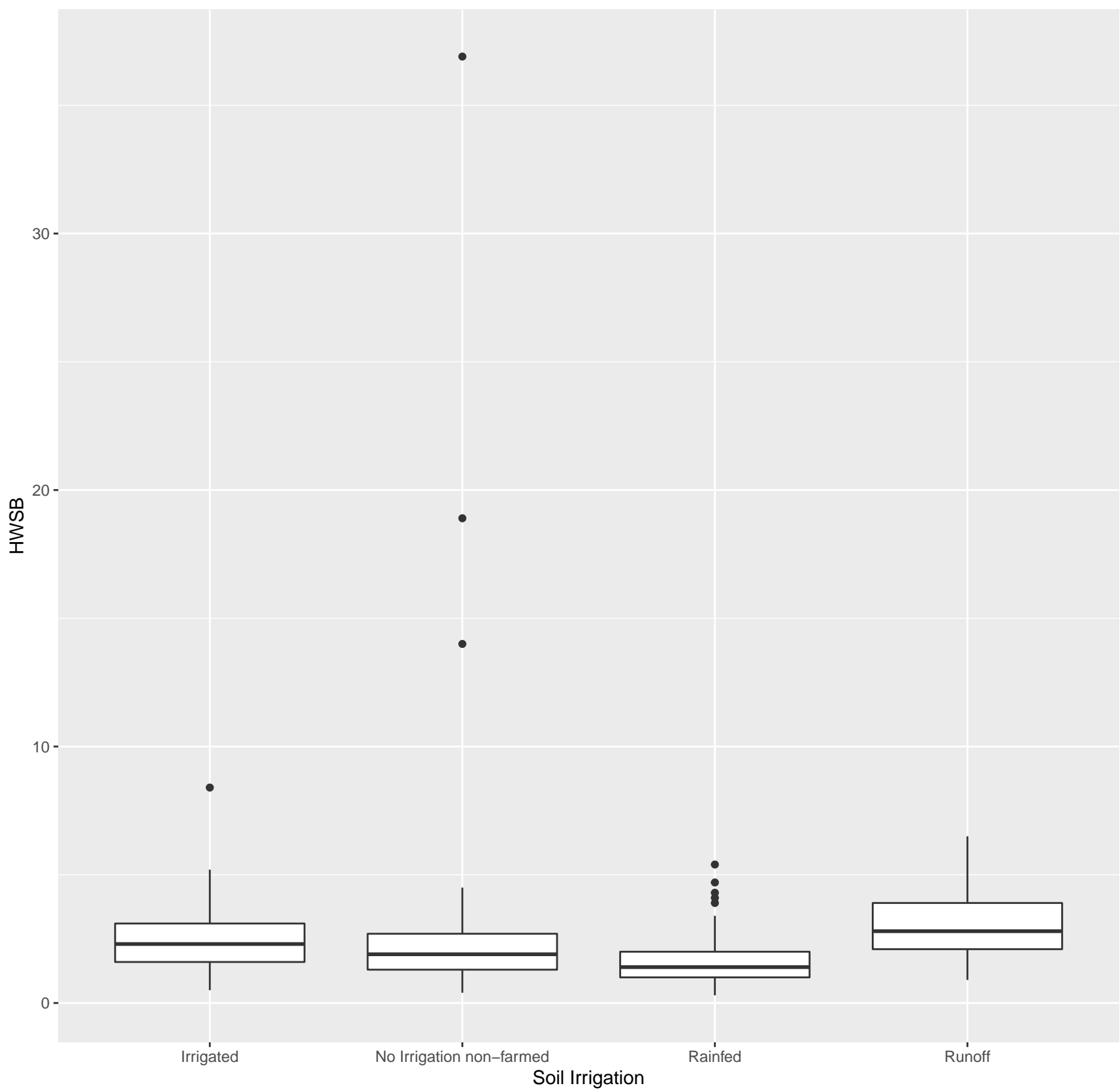
Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signi
1	HWSB	Irrigated	No Irrigation non–farmed	110	50	3120.0	1.74e−01	1.74e−01	ns
2	HWSB	Irrigated	Rainfed	110	160	12940.5	4.96e−11	2.48e−10	****
3	HWSB	Irrigated	Runoff	110	83	3178.0	3.05e−04	9.15e−04	***
4	HWSB	No Irrigation non–farmed	Rainfed	50	160	5271.0	6.95e−04	1.00e−03	**
5	HWSB	No Irrigation non–farmed	Runoff	50	83	1232.5	9.10e−05	3.64e−04	***
6	HWSB	Rainfed	Runoff	160	83	1879.5	4.88e−20	2.93e−19	****

HWSB to Soil Position
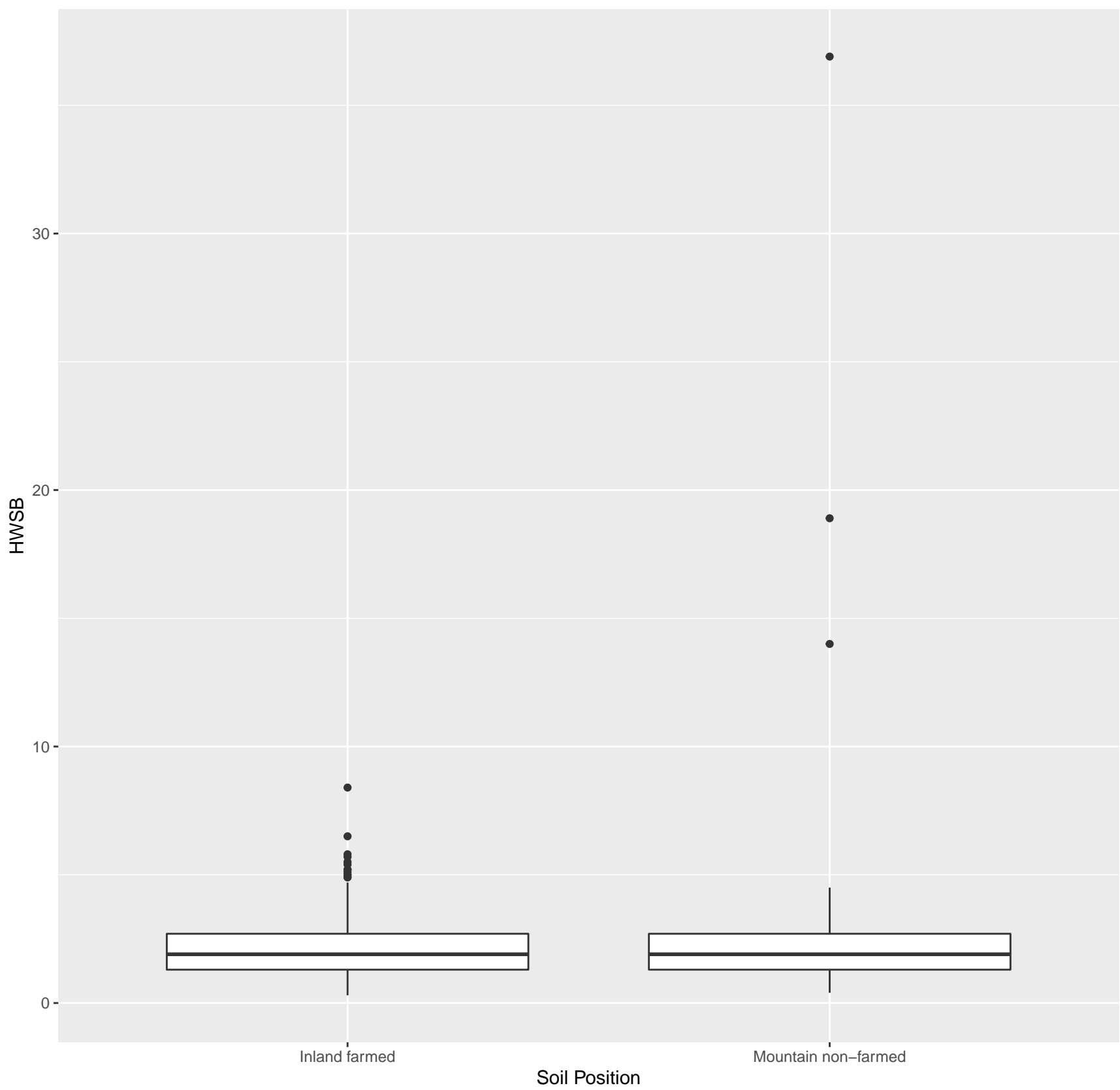
Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p
1	HWSB	Inland farmed	Mountain non−farmed	353	50	8766.5	0.94