ionSeen使用说明

网址：http://58.87.96.81:3838/ionSeen/

准备输入文件

1. 测离子计算后的输出结果文件（.csv格式）

	Li.7..ppb.	B.11..ppb.	Na.23..ppb.	Mg.25..ppb.	P.31..ppb.	S.34..ppb.	K.39..ppb.	Ca.43..ppb.	Mn.55..ppb.	Fe.57..ppb.	Co.59..ppb.	Ni.60..ppb.
1	17.3498957	981.731081	837.726659	2715.2067	7931.08031	9088.74313	28935.8236	28491.141	37.1396881	122.628786	11.6285965	9.31402464
2	13.9865251	799.028907	625.390129	3302.95752	8344.03384	13225.8898	22810.3311	34882.0368	42.6019274	126.023376	10.9779024	9.86836047
3	14.2204819	766.72638	673.14999	2780.61521	9191.25864	10779.7316	26541.4376	30888.2626	43.5687892	106.318591	13.9369739	5.73025657
4	14.3253963	1082.3782	585.494965	2595.66497	8762.96075	10794.5521	24645.199	28434.746	43.5702827	150.655013	16.4142497	6.51539349
5	14.5803109	700.991759	694.358888	3317.68436	8744.75311	11452.478	26467.5586	34296.84	43.0270998	113.746655	10.8654025	4.56651298
6	7.98463788	613.119315	538.438424	1851.09181	4826.14503	3498.46063	13103.8667	18693.9238	37.6798921	1667.56582	8.09835531	3.82390307
7	14.0120066	771.934098	691.231477	2937.0211	6921.34452	8578.83063	23560.0564	29221.5297	37.3954934	141.206468	15.7716342	8.48316234
8	17.3104271	1301.19873	926.323488	3250.71765	6923.22589	10531.5114	26916.721	32350.4156	35.1412941	104.398626	14.3673906	5.00389029
9	16.0483674	1332.84434	658.282547	2617.4929	7889.22591	10930.7226	34809.3074	30044.8555	40.6322361	90.5313061	13.3630765	5.62376156
10	12.1782788	889.356101	740.249924	2999.83019	8346.43203	12020.1538	31413.0444	26710.1094	33.9633873	95.9721396	13.6088519	1.92650741
11	14.4763861	958.509537	653.448173	3081.76329	7246.65613	11024.0021	24900.6907	33742.7154	36.2526822	241.489945	11.7274537	4.85159334
12	16.6839599	1021.27981	534.31063	3744.55946	7026.5326	8634.92297	22337.6297	40255.9378	42.4014374	88.7545472	12.2790466	2.05427905
13	17.2151699	598.147072	591.08482	3253.27795	7423.28826	6331.59305	26512.9186	32066.9687	38.1146074	102.917726	17.7309452	2.74311031
14	17.9761211	1376.70128	868.874701	3276.62088	8856.2738	6483.33063	26606.527	27931.9508	38.6018908	115.544131	15.2295917	3.83831567
15	14.6296407	706.447202	816.945584	3419.6059	8508.80821	4647.13841	28289.4637	27931.9399	35.9497004	111.589862	14.7042826	22.5007929

2. 样品编号，与测离子输出文件要顺序一致（.csv格式）

	A	B
1	NO	Sample
2	1	Col-0
3	2	Col-0
4	3	Col-0
5	4	Col-0
6	5	Col-0
7	6	Col-0
8	7	Col-0
9	8	Col-0
10	9	Col-0
11	10	Col-0
12	11	Col-0
13	12	Col-0
14	13	13419
15	14	13419
16	15	13419
17	16	13419
18	17	13419
19	18	13419

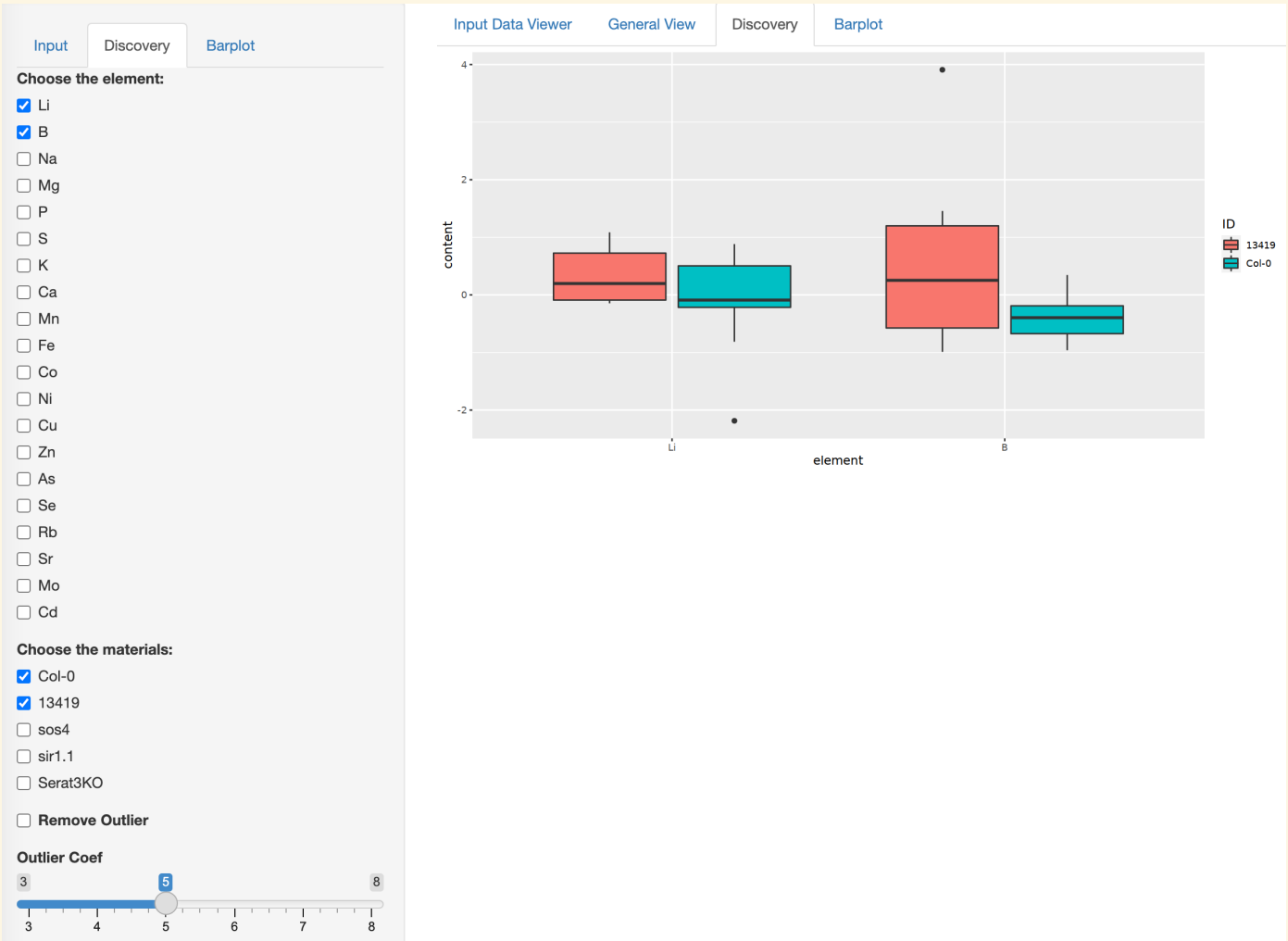
使用

Input

上传数据，如果上传后正常会在右侧显示一部分数据。

Discovery

选中左侧与右侧Discovery后，可以选择要观察的样本与离子，右侧展示绘图



Barplot

左侧与右侧都选择**Barplot**即可进行单元素绘图。选中一种元素，选择多个样品。如果选择两个材料，使用Welch t.test计算显著性；如果选择三个及以上材料，进行单因素方差分析，并用LSD法进行多重比较【注：如果ANOVA下面显示insignificant则上方标记字母结果无意义】。