

Test Results

Table 1: Test Results.

Channels No.	Try	Selected Channels	Baseline	30 Subjects			40 Subjects			50 Subjects		
				B.C.	Train	Test	B.C.	Train	Test	B.C.	Train	Test
1	Case 1	–	–	T8 (+)	0.956	0.835	Oz (+)	0.967	0.852	Oz (+)	0.957	0.812
		–	–	P8 (+)	0.975	0.853	Oz (+)	0.967	0.852	F8 (+)	0.896	0.823
	Case 2	–	T10	Cz (+)	0.945	0.782	Cz (+)	0.951	0.837	Oz (+)	0.948	0.769
		–	T10	P8 (+)	0.940	0.854	P8 (+)	0.931	0.838	C4 (+)	0.939	0.858
2	Case 3	Oz	–	T8 (+)	0.995	0.917	P8 (+)	0.994	0.909	Pz (+)	0.991	0.957
		Oz	–	Fz (+)	0.992	0.945	T8 (+)	0.991	0.950	Pz (+)	0.991	0.957
	Reduced Augmentation	Oz	–	×	×	×	×	×	×	P4(+)	0.965	0.941
		Oz	–	×	×	×	×	×	×	O1(+)	0.957	0.941
	Case 4	Oz	T10	T8 (+)	0.995	0.896	F4 (+)	0.992	0.921	Fz (+)	0.991	0.946
		Oz	T10	F4 (+)	0.989	0.932	Pz (+)	0.990	0.929	Fz (+)	0.991	0.946
	Reduced Augmentation	Oz	T10	×	×	×	×	×	×	O1(+)	0.964	0.939
		Oz	110	×	×	×	×	×	×	O1(+)	0.964	0.939
3	Case 5	Oz, F4	–	O1 (+)	0.997	0.952	P7 (+)	0.997	0.956	P7 (+)	0.996	0.950
		Oz, F4	–	T8 (+)	0.996	0.955	P8 (+)	0.996	0.966	F7 (+)	0.995	0.966
	Case 6	Oz, F4	T10	C4 (+)	0.998	0.939	F8 (+)	0.997	0.902	Not Avaibale		
		Oz, F4	T10	F8 (+)	0.997	0.959	Cz (+)	0.996	0.972	Not Avaibale		

Description:

B.C. : Best Channel

[Blue color](#): Best Channel according to the train accuracy.

[Red color](#): Best Channel according to the test accuracy.

+: Link to the figures.

(BACK TO RESULT TABLE)

No. of Channels: 1
Previous Selected Channels: –
No. of Subjects: 30
Baseline Channel: –
Task: REO

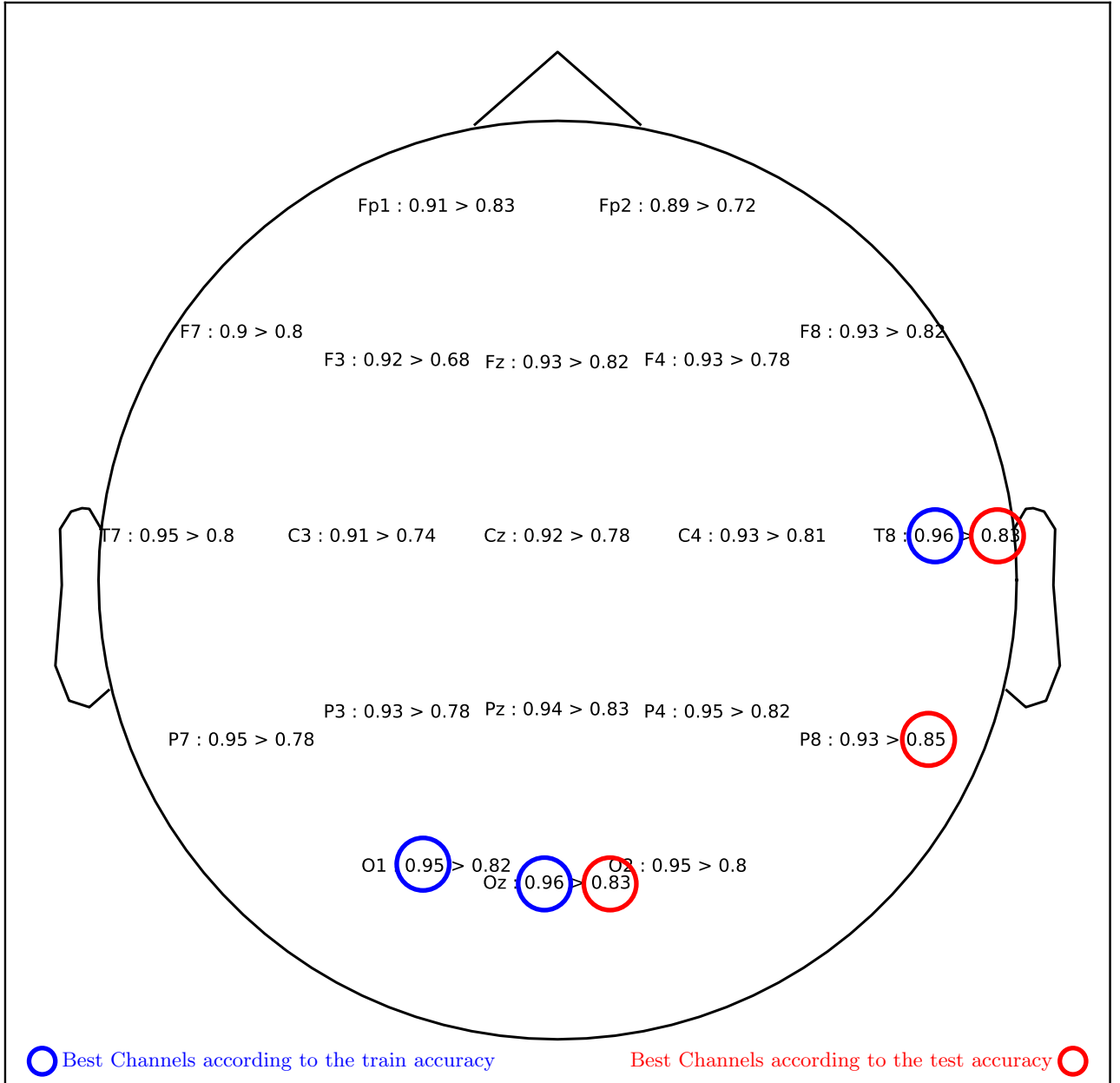


Figure 1: Search for the first best channel with 30 subjects.

(BACK TO RESULT TABLE)

No. of Channels: 1
Previous Selected Channels: –
No. of Subjects: 30
Baseline Channel: T10
Task: REO

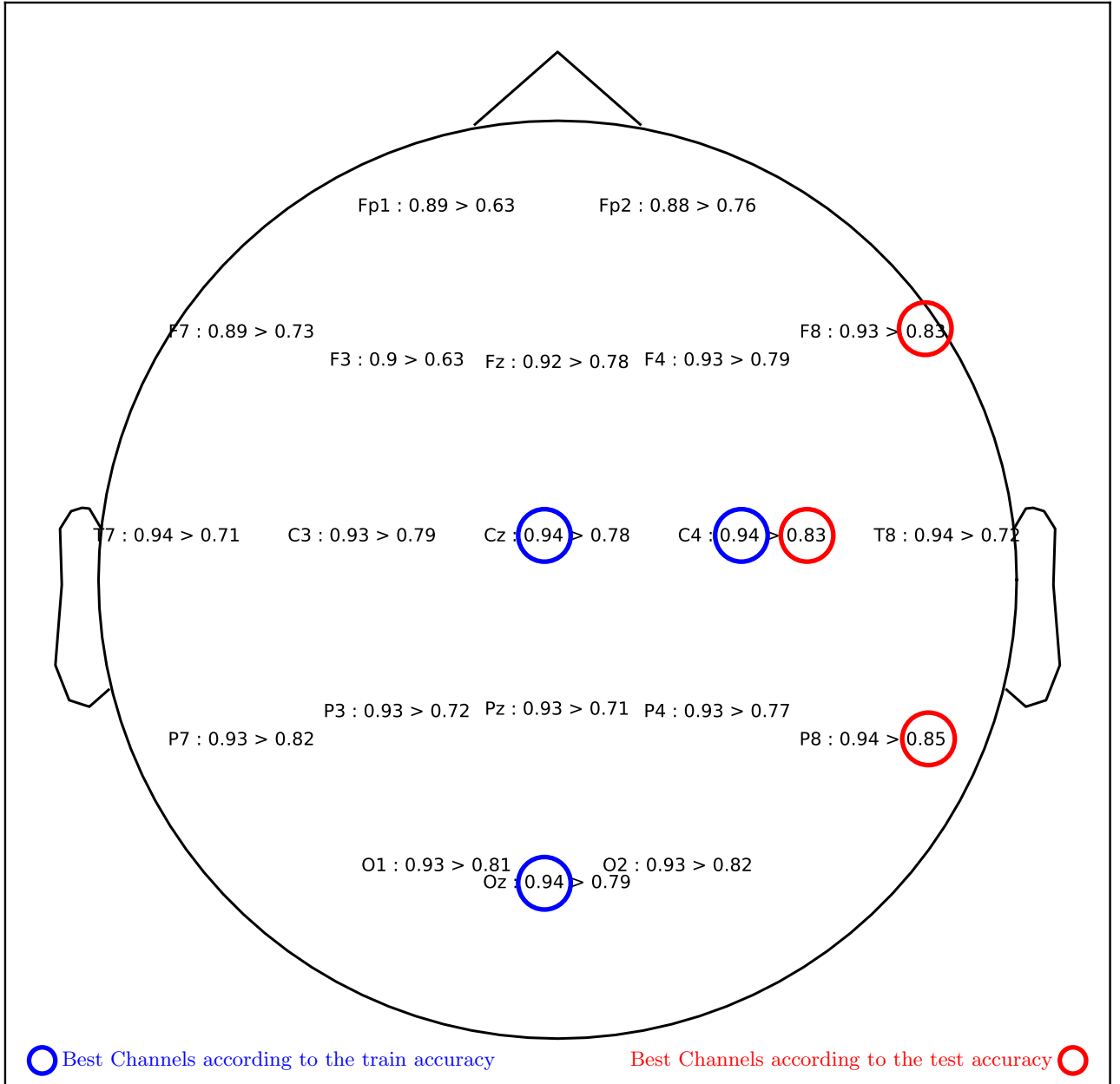


Figure 2: Search for the first best channel with 30 subjects, T10 is removed as baseline.

No. of Channels: 1
Previous Selected Channels: –
No. of Subjects: 40
Baseline Channel: –
Task: REO

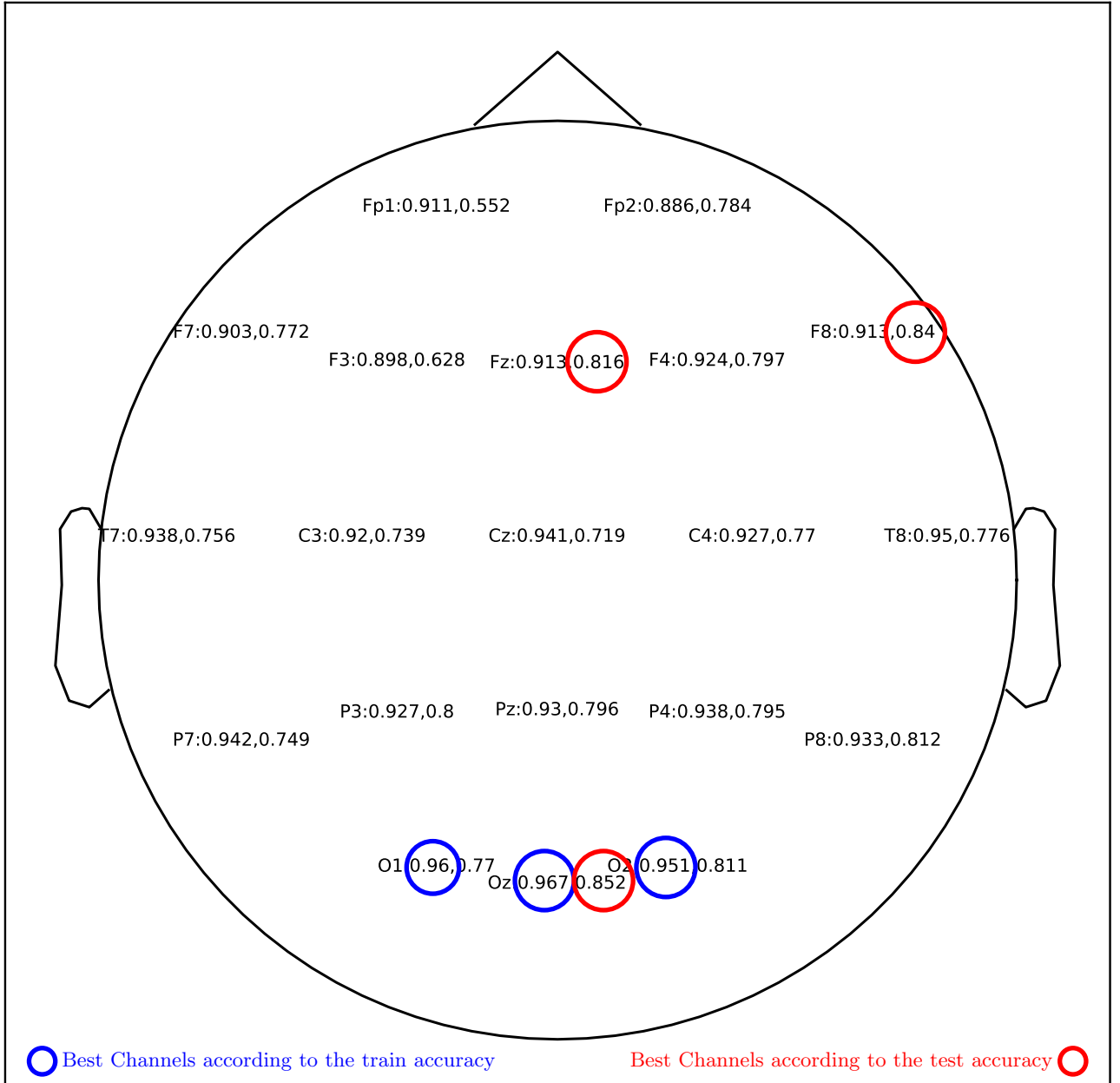


Figure 3: Search for the first best channel with 40 subjects, no baseline is removed.

No. of Channels: 1
Previous Selected Channels: –
No. of Subjects: 40
Baseline Channel: T10
Task: REO

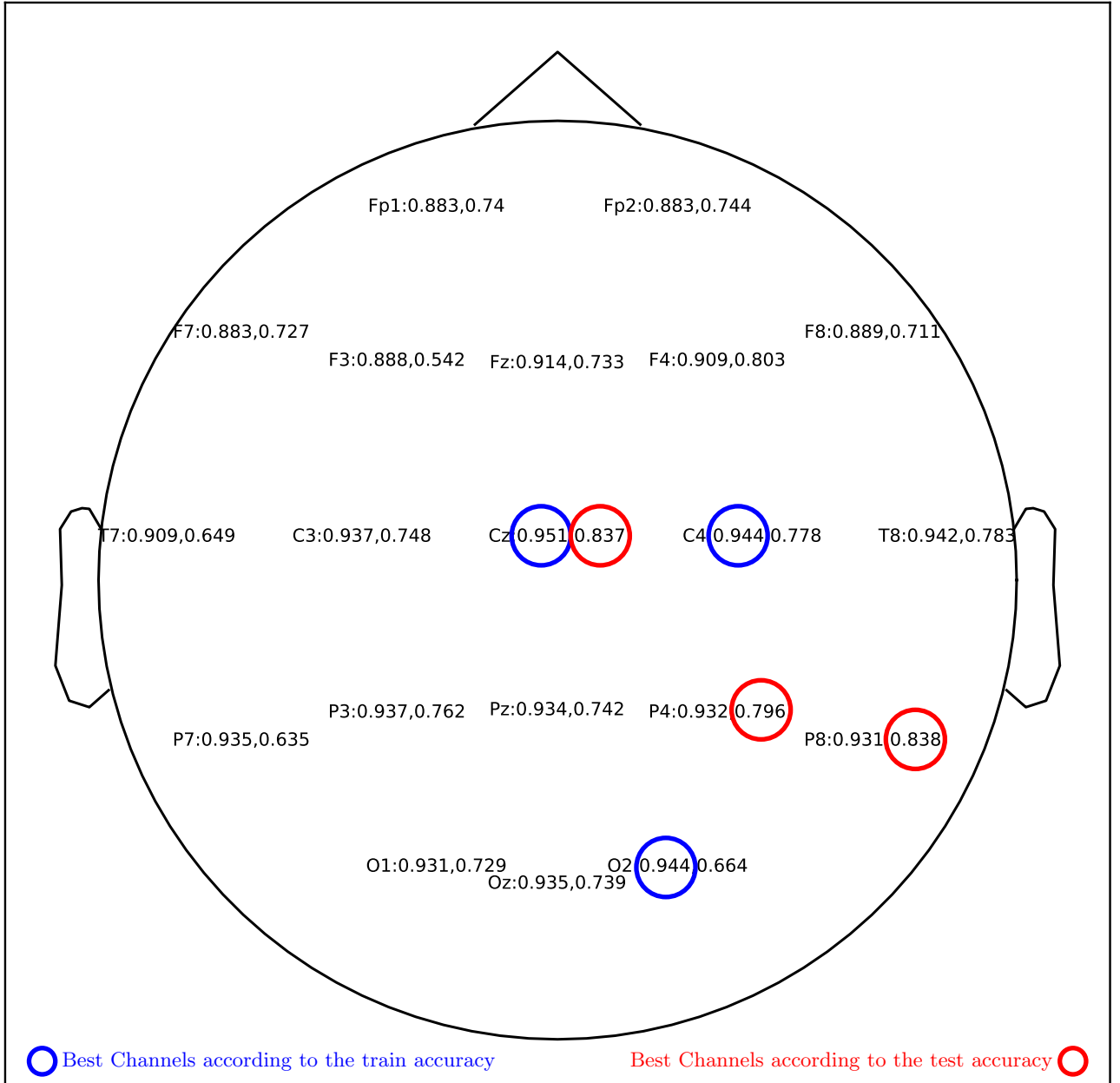


Figure 4: Search for the first best channel with 40 subjects, T10 is removed as baseline.

(BACK TO RESULT TABLE)

No. of Channels: 1
Previous Selected Channels: –
No. of Subjects: 50
Baseline Channel: –
Task: REO

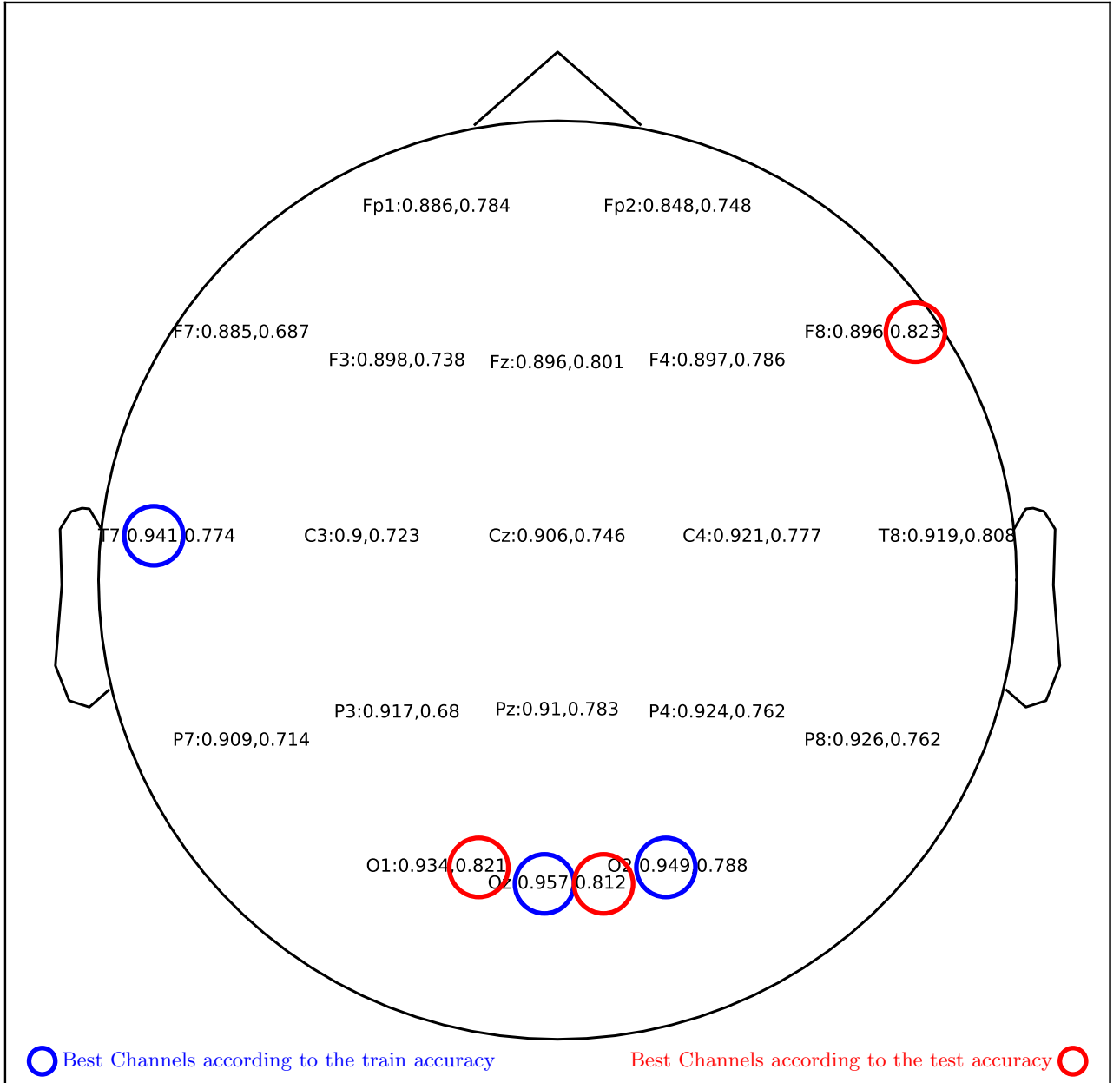


Figure 5: Search for the first best channel with 30 subjects, no baseline removed.

No. of Channels: 1
Previous Selected Channels: —
No. of Subjects: 50
Baseline Channel: T10
Task: REO

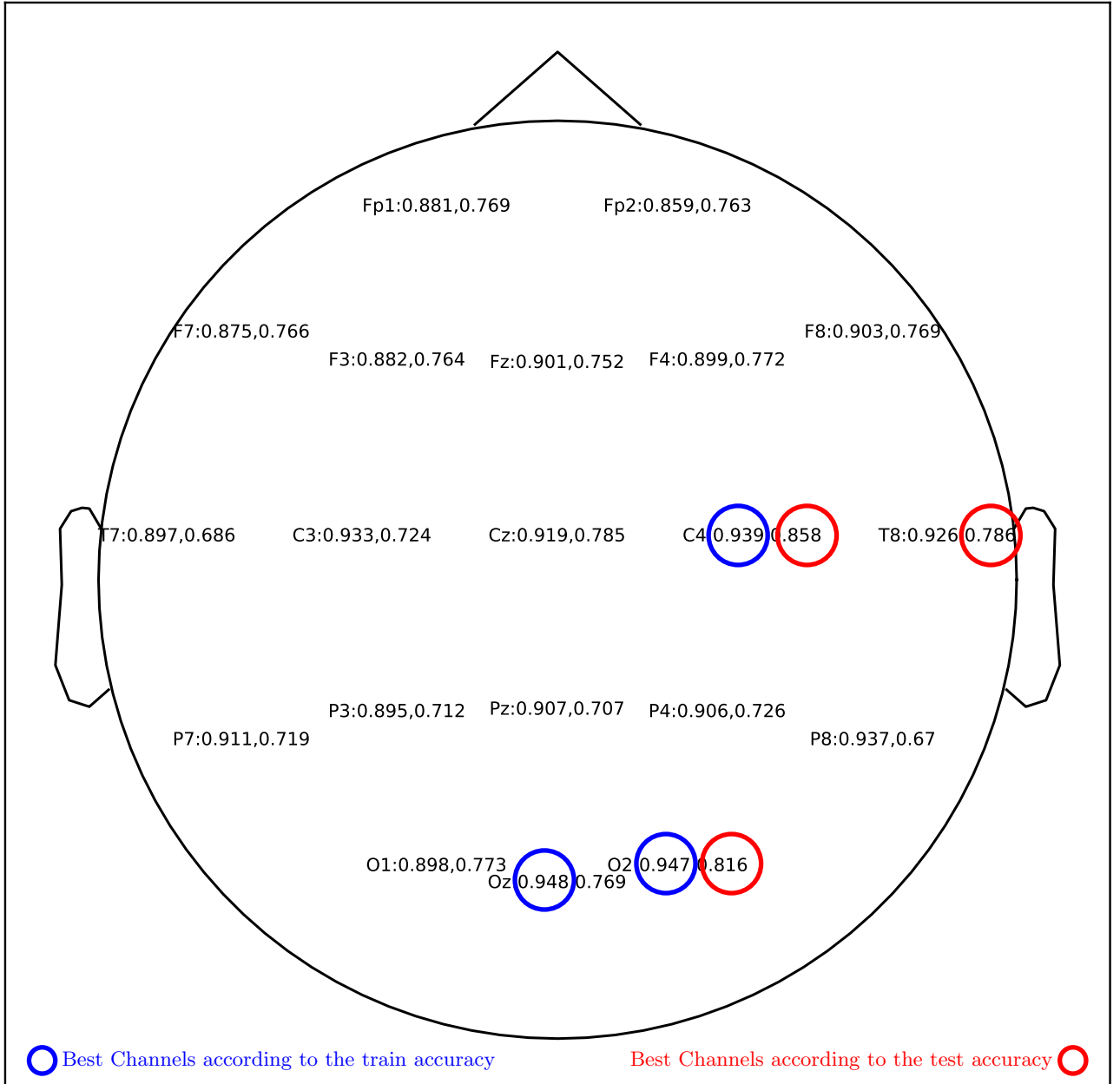


Figure 6: Search for the first best channel with 50 subjects, T10 is removed as baseline.

(BACK TO RESULT TABLE)

No. of Channels: 2
Previous Selected Channels: Oz
No. of Subjects: 30
Baseline Channel: —
Task: REO

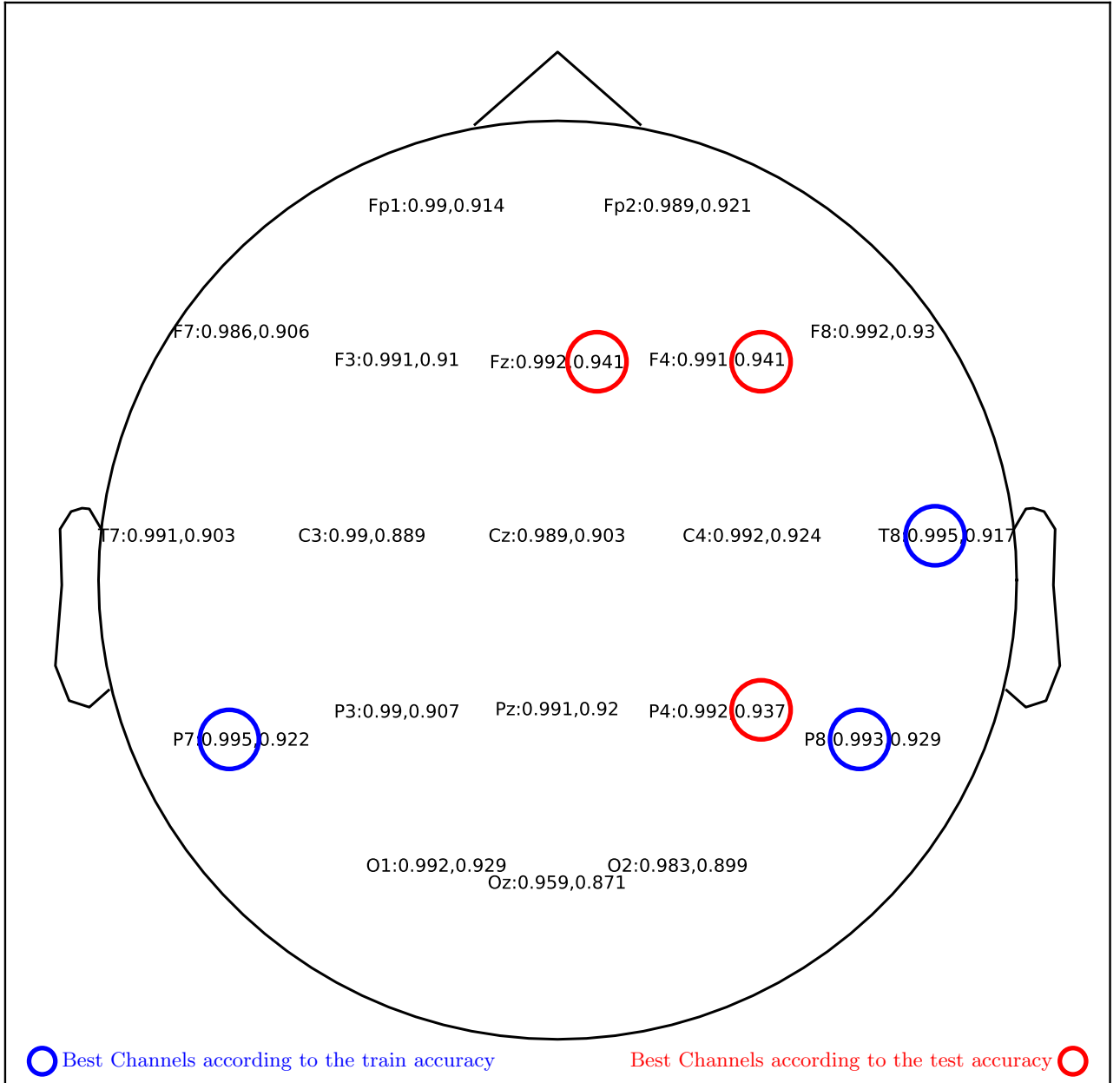


Figure 7: Search for the second best channel with 30 subjects, no baseline removed.

(BACK TO RESULT TABLE)

No. of Channels: 2
Previous Selected Channels: Oz
No. of Subjects: 30
Baseline Channel: T10
Task: REO

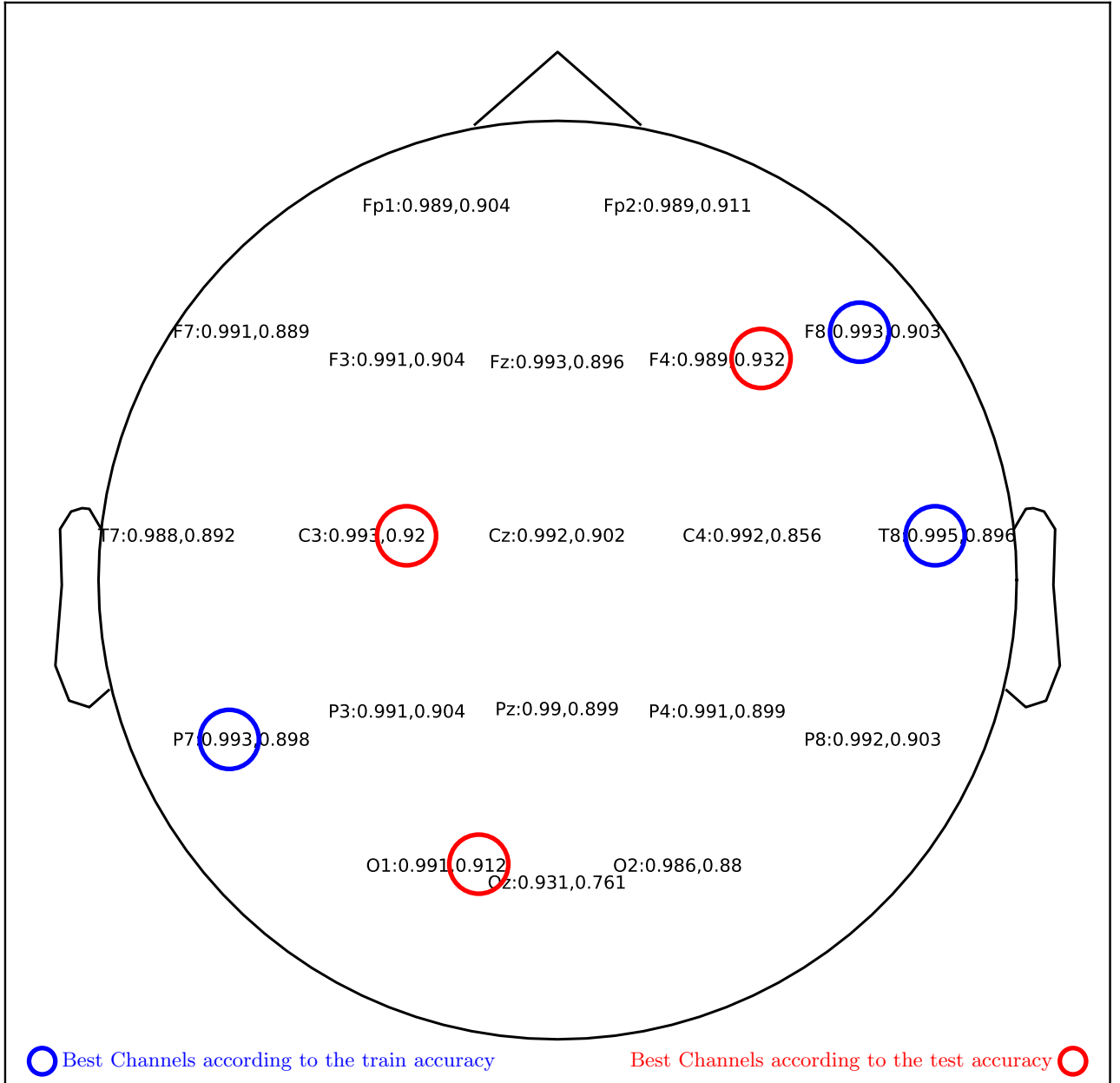


Figure 8: Search for the second best channel with 30 subjects, T10 is removed as baseline.

(BACK TO RESULT TABLE)

No. of Channels: 2
Previous Selected Channels: Oz
No. of Subjects: 40
Baseline Channel: —
Task: REO

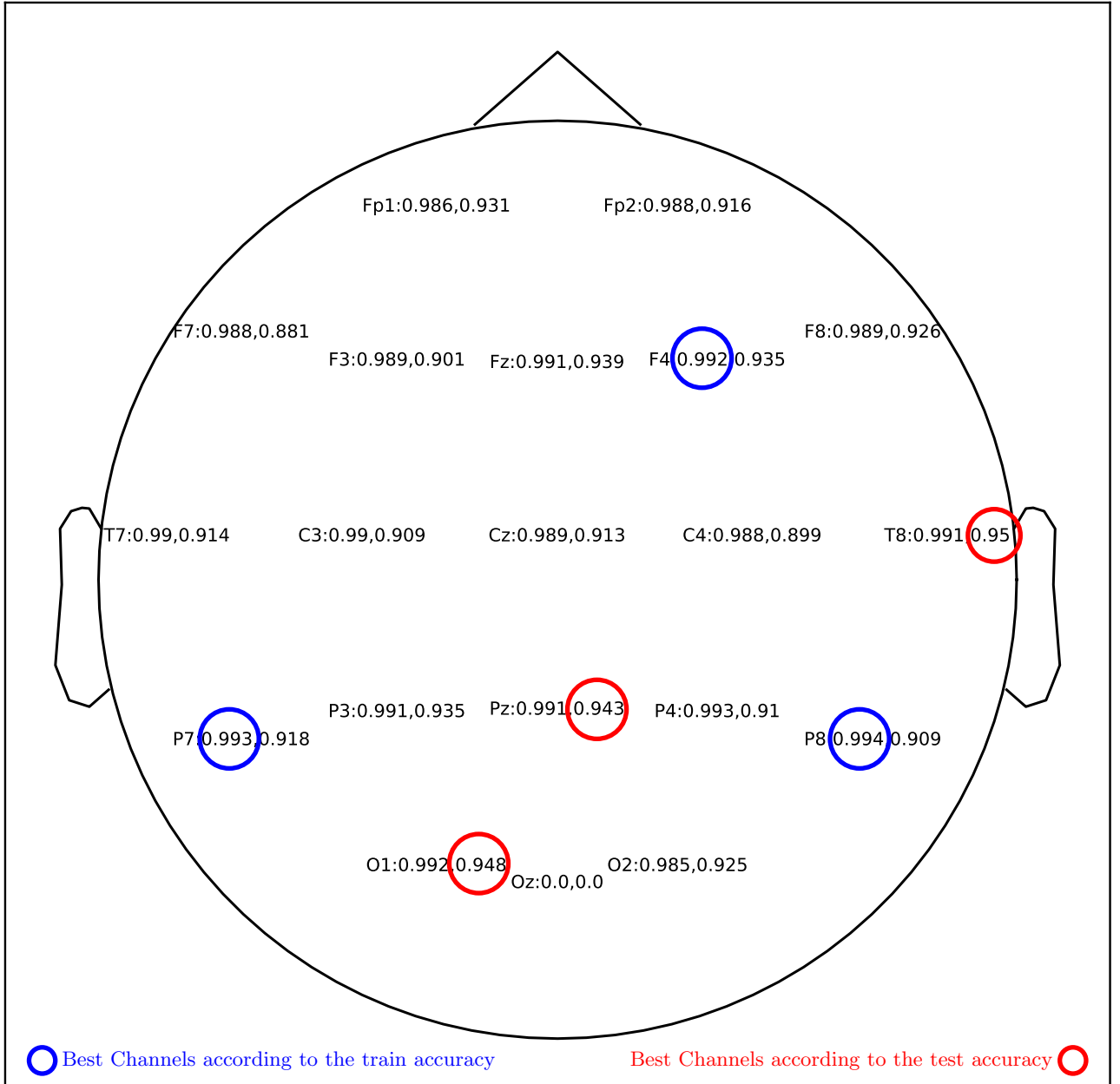


Figure 9: Search for the second best channel with 40 subjects, no baseline is removed.

(BACK TO RESULT TABLE)

No. of Channels: 2
Previous Selected Channels: Oz
No. of Subjects: 40
Baseline Channel: T10
Task: REO

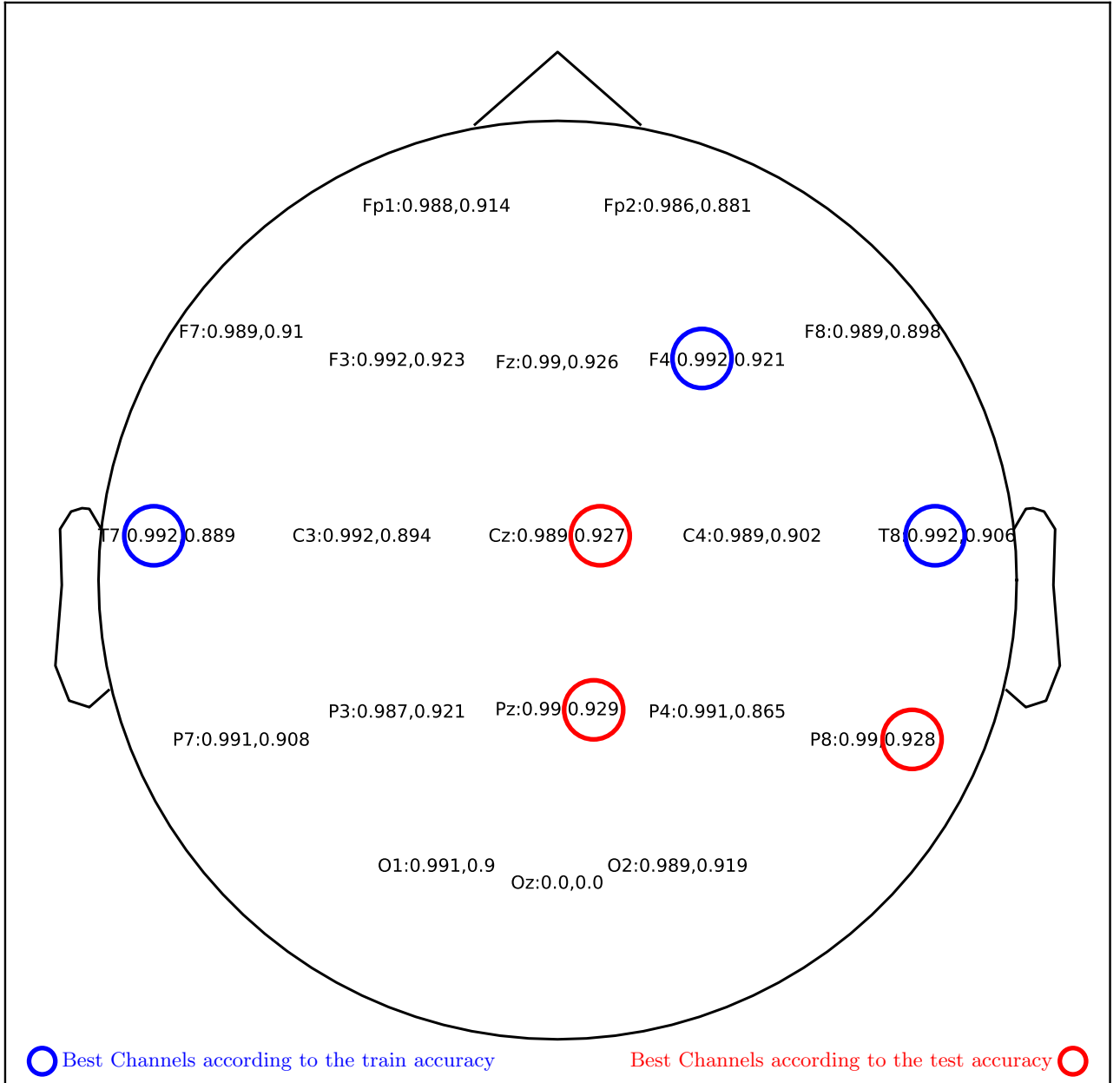


Figure 10: Search for the second best channel with 40 subjects, T10 is removed as baseline.

(BACK TO RESULT TABLE)

No. of Channels: 2
Previous Selected Channels: Oz
No. of Subjects: 50
Baseline Channel: —
Task: REO

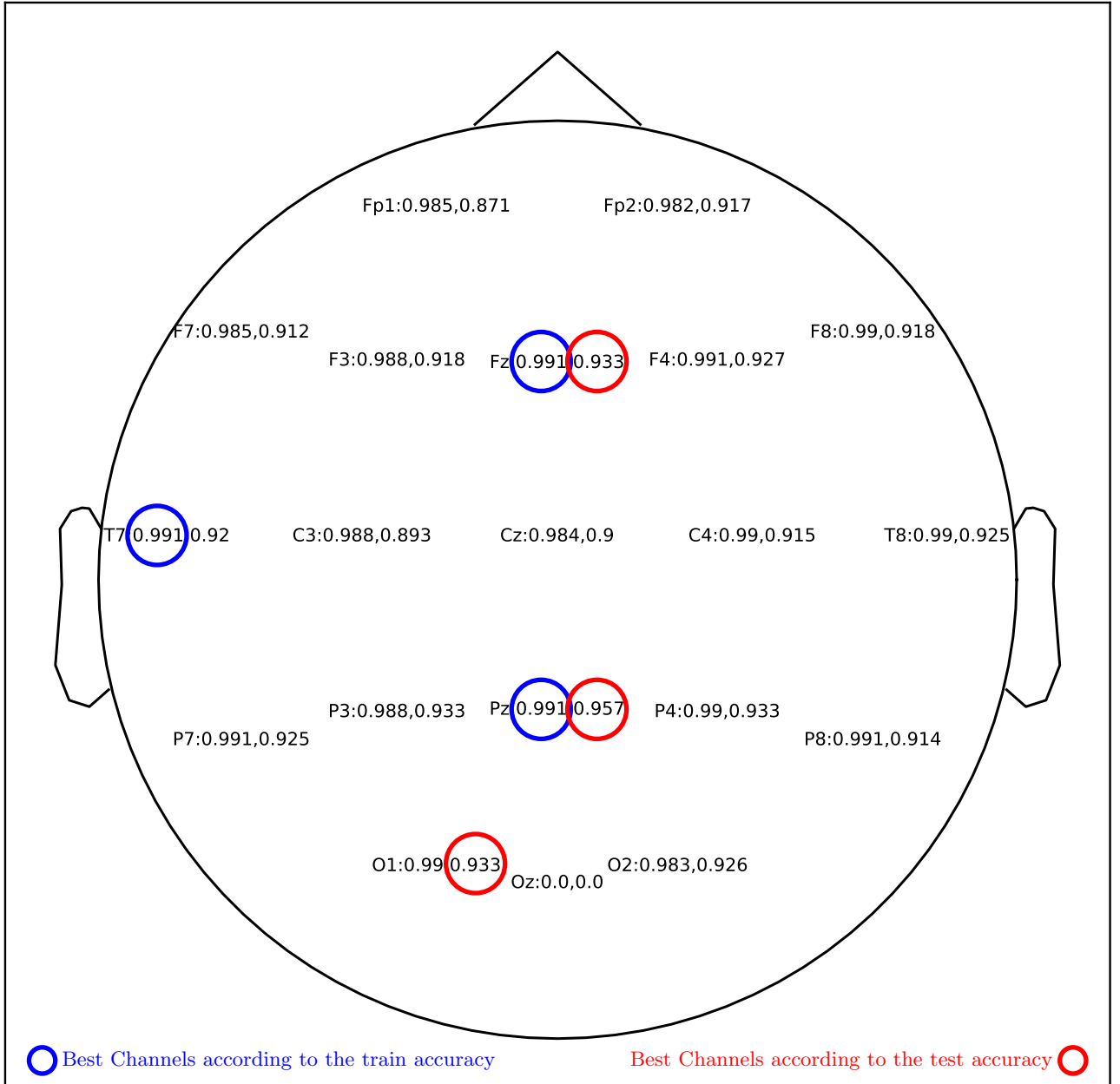


Figure 11: Search for the second best channel with 40 subjects, no baseline is removed.

[\(BACK TO RESULT TABLE\)](#)

Comparison of normal and reduced augmentation.

No. of Channels: 2
Previous Selected Channels: Oz
No. of Subjects: 50
Baseline Channel: –
In/Out Shift: 4, 20

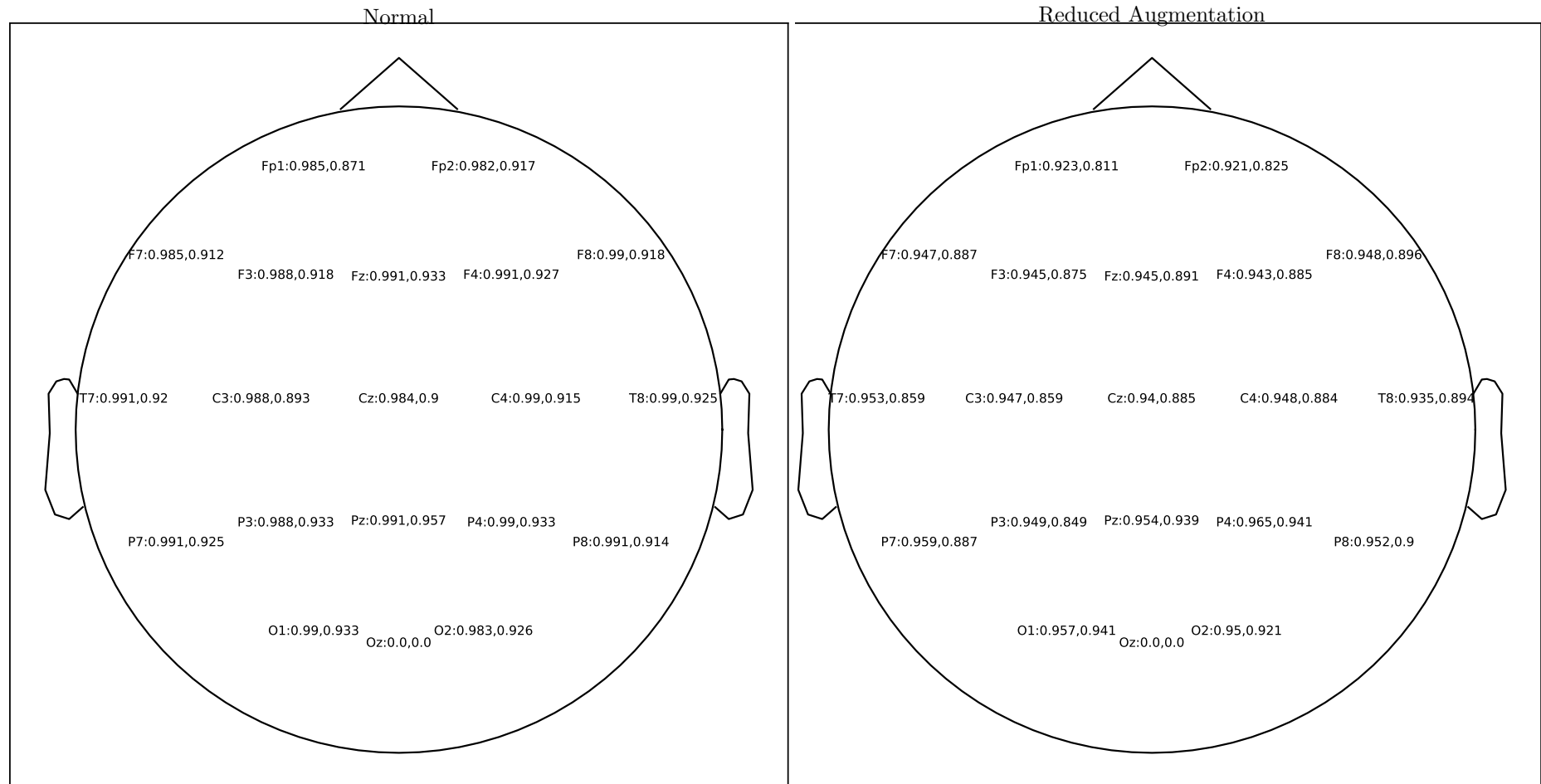


Figure 12: Comparison for the second best channel with 50 subjects, no baseline is removed.

(BACK TO RESULT TABLE)

No. of Channels: 2
Previous Selected Channels: Oz
No. of Subjects: 50
Baseline Channel: T10
Task: REO

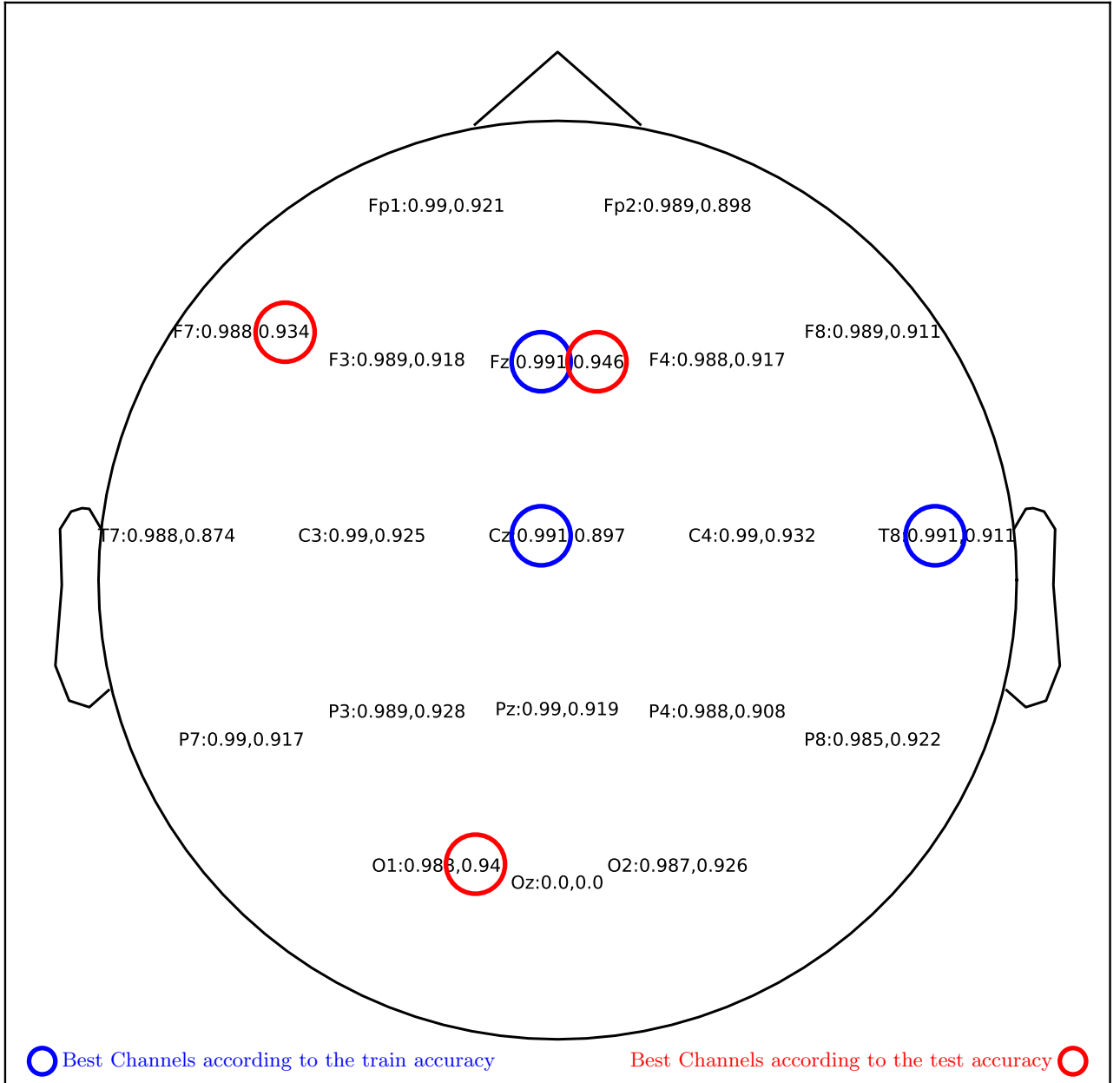


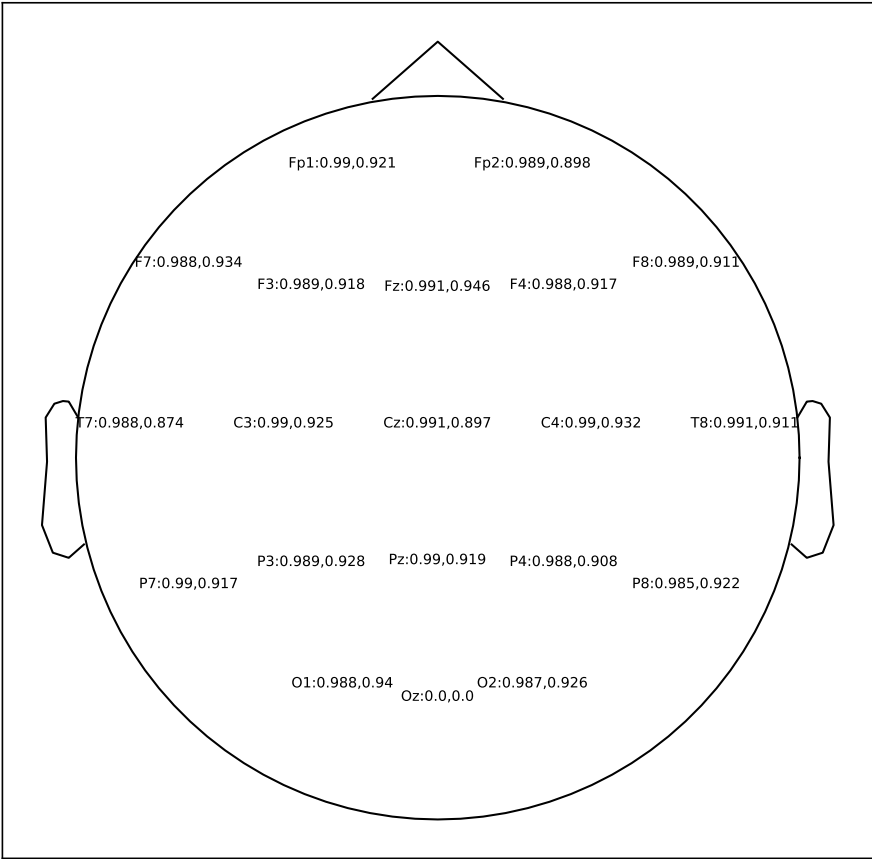
Figure 13: Search for the second best channel with 40 subjects, T10 is removed as baseline.

[\(BACK TO RESULT TABLE\)](#)

Comparison of normal and reduced augmentation.

No. of Channels: 2
Previous Selected Channels: Oz
No. of Subjects: 50
Baseline Channel: T10
In/Out Shift: 4, 20

Normal



Reduced Augmentation

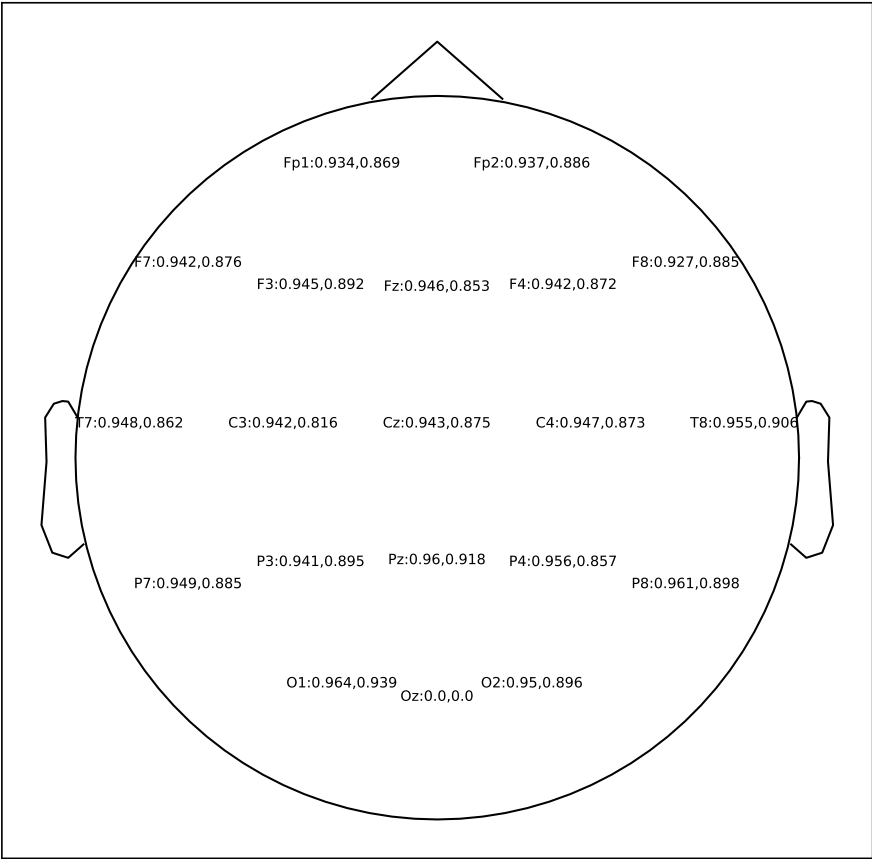


Figure 14: Comparison for the second best channel with 50 subjects, T10 is removed as baseline.

(BACK TO RESULT TABLE)

No. of Channels: 3
Previous Selected Channels: Oz, F4
No. of Subjects: 30
Baseline Channel: —
Task: REO

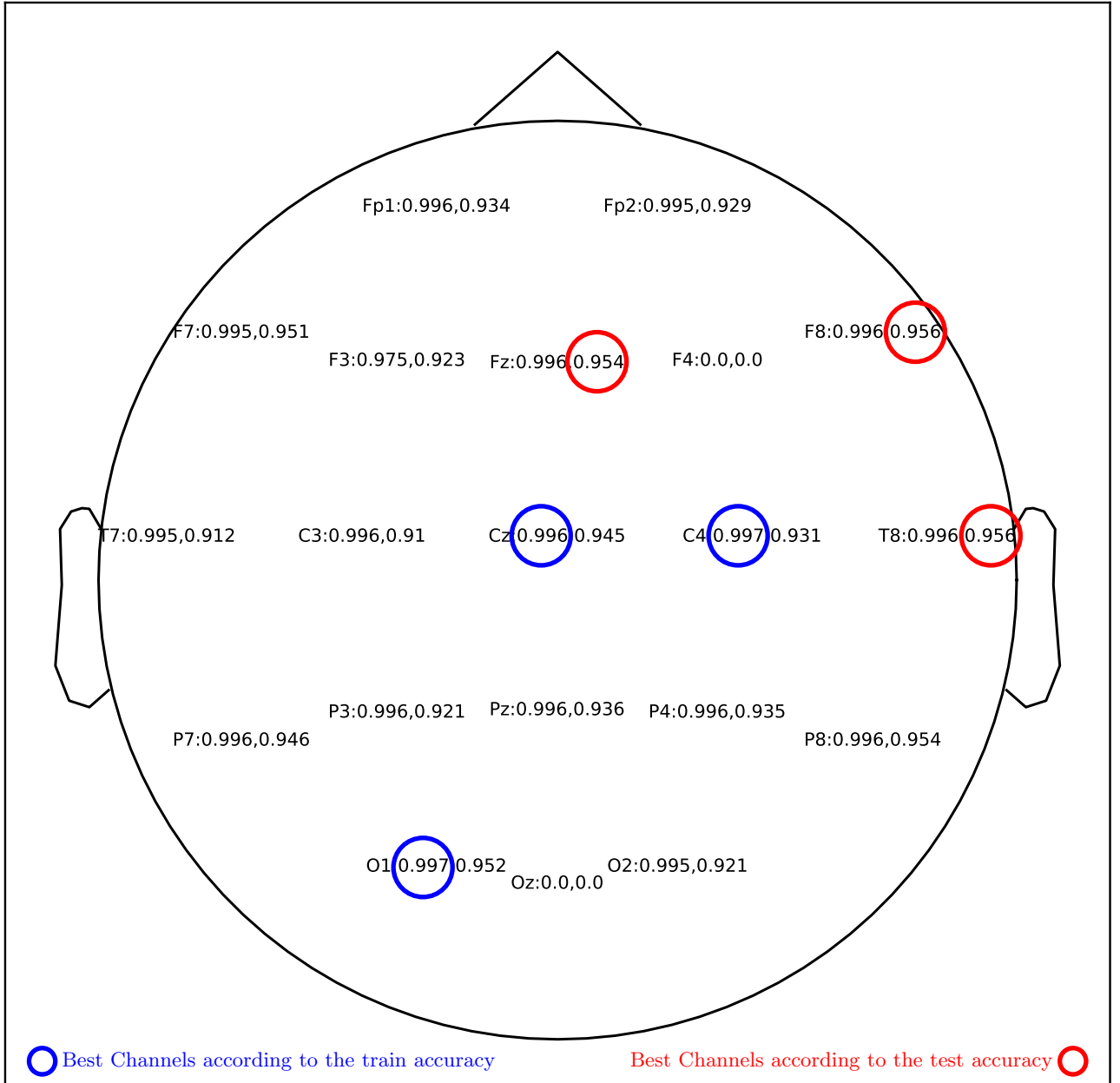


Figure 15: Search for the third best channel with 30 subjects, no baseline is removed.

(BACK TO RESULT TABLE)

No. of Channels: 3
Previous Selected Channels: Oz, F4
No. of Subjects: 30
Baseline Channel: T10
Task: REO

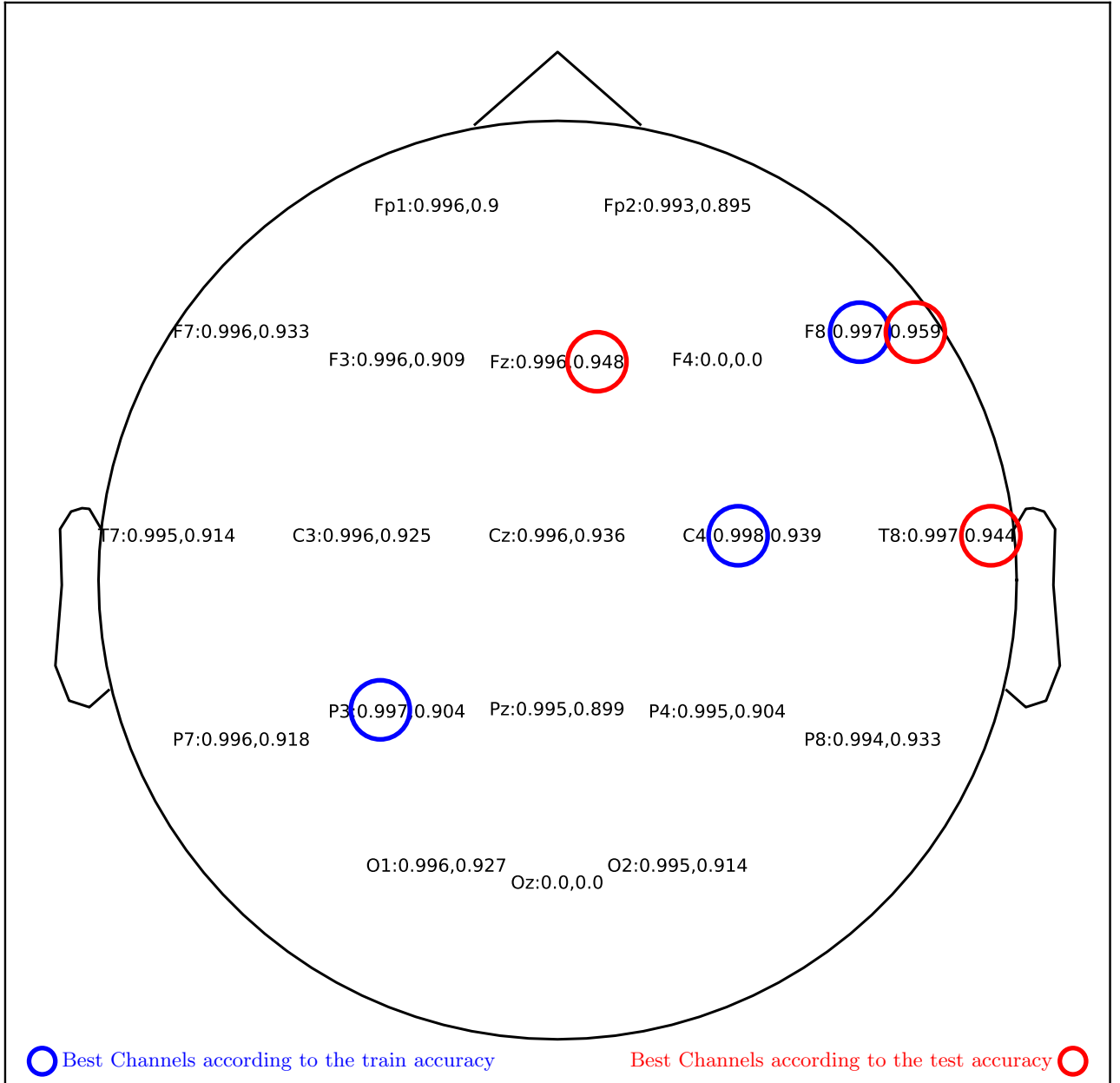


Figure 16: Search for the third best channel with 30 subjects, T10 is removed as baseline.

(BACK TO RESULT TABLE)

No. of Channels: 3
Previous Selected Channels: Oz, F4
No. of Subjects: 40
Baseline Channel: —
Task: REO

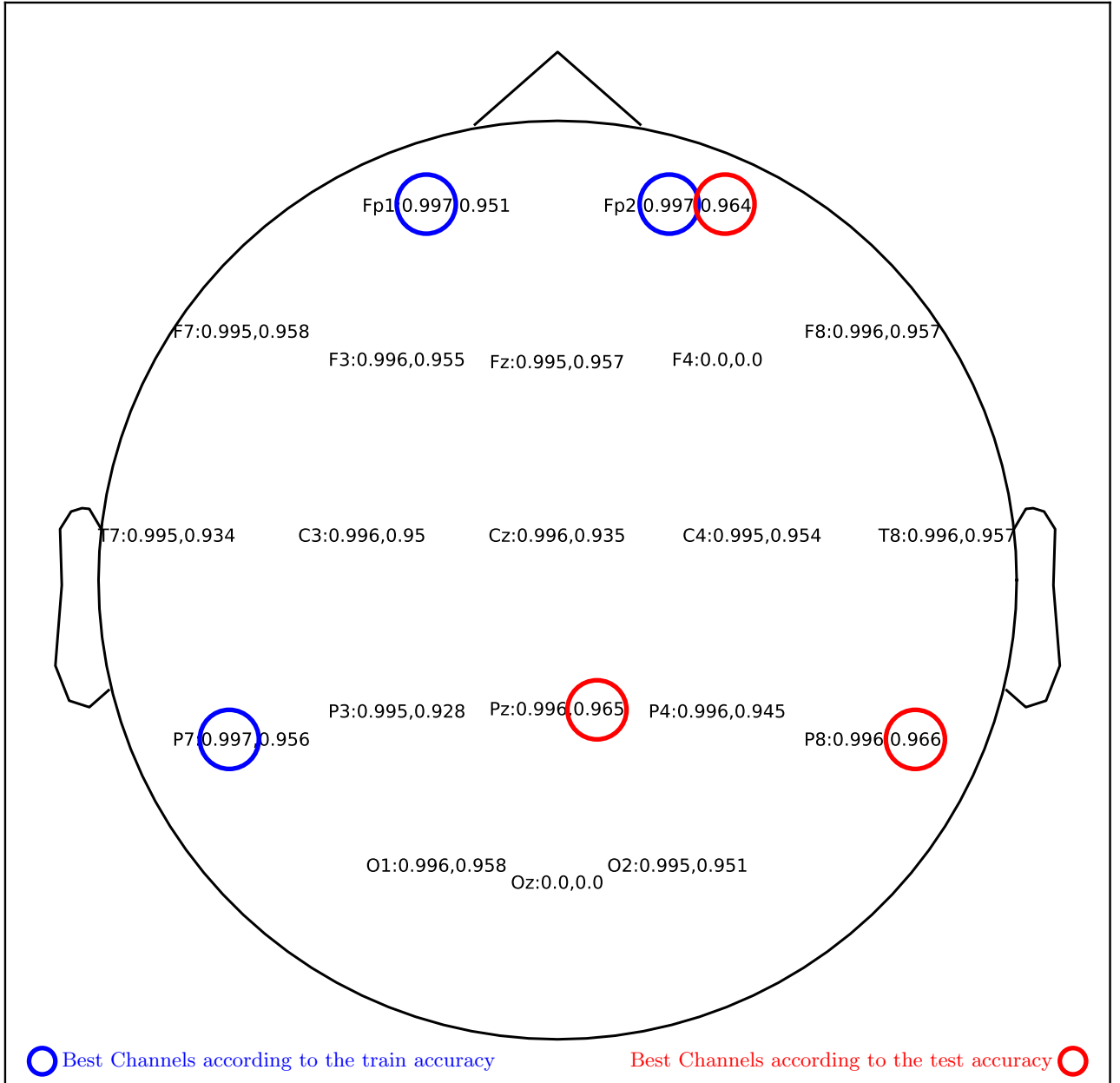


Figure 17: Search for the third best channel with 40 subjects, no baseline is removed.

(BACK TO RESULT TABLE)

No. of Channels: 3
Previous Selected Channels: Oz, F4
No. of Subjects: 40
Baseline Channel: T10
Task: REO

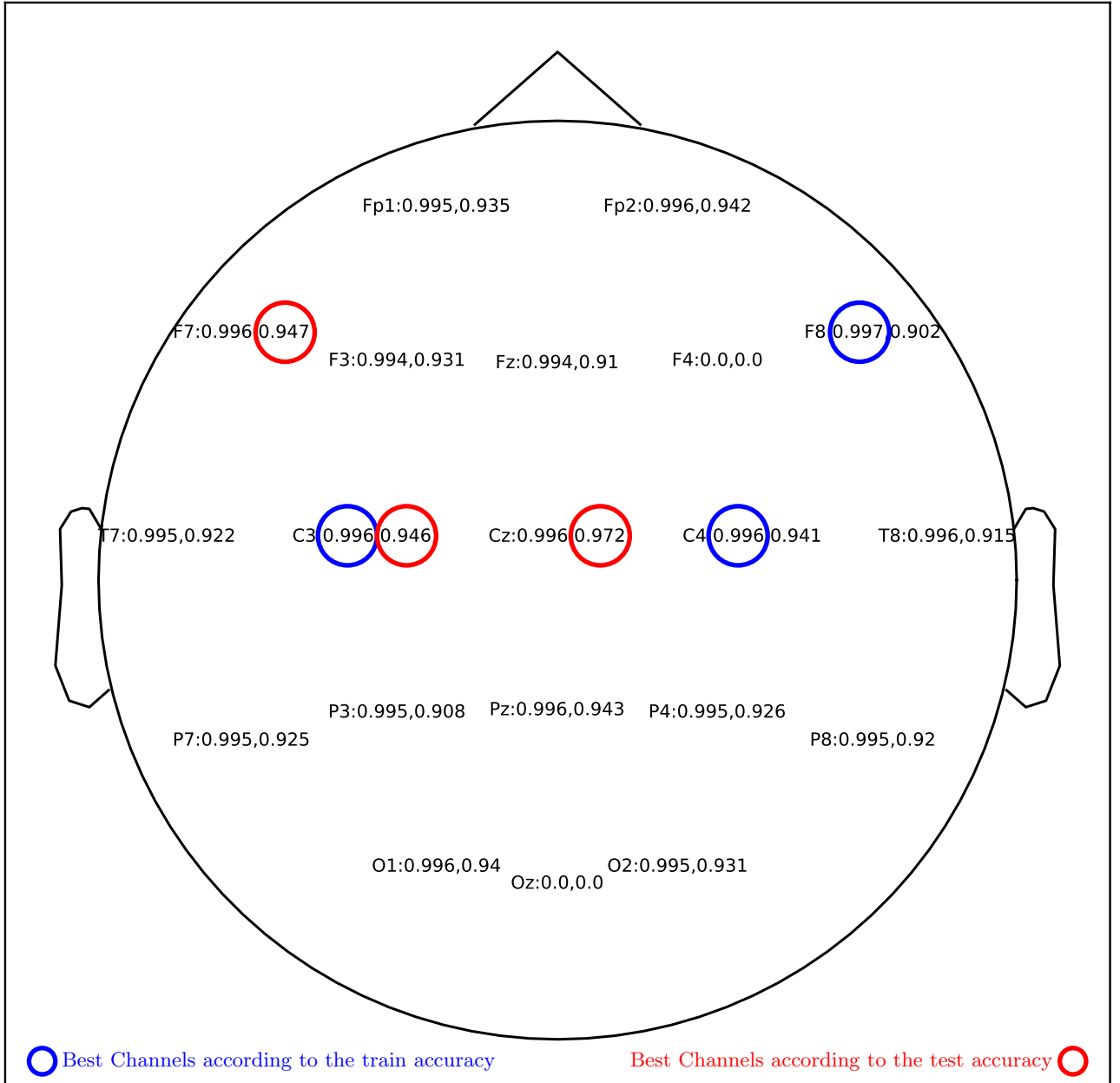


Figure 18: Search for the third best channel with 40 subjects, T10 is removed as baseline.

No. of Channels: 3
Previous Selected Channels: Oz, F4
No. of Subjects: 50
Baseline Channel: —
Task: REO

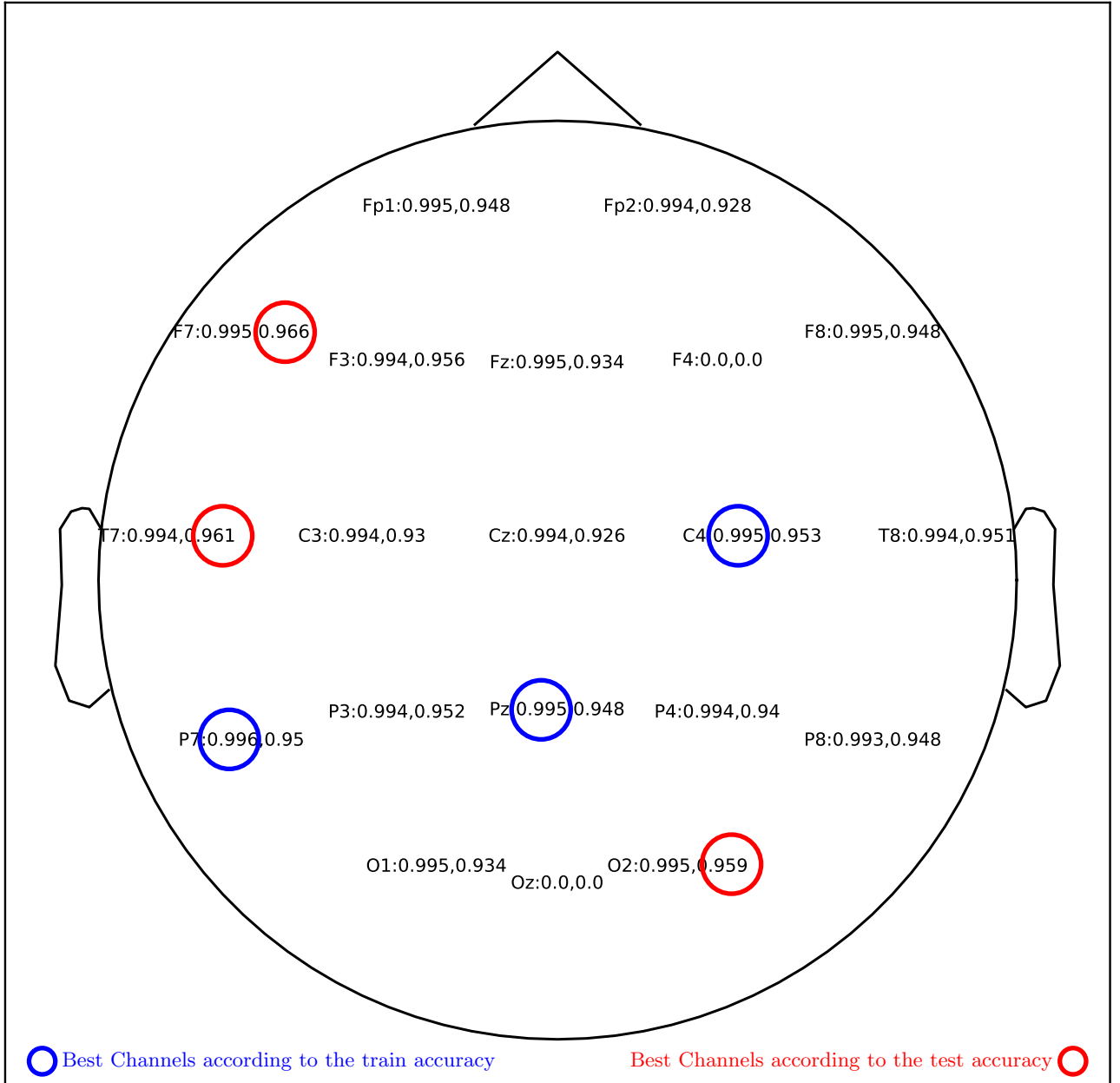


Figure 19: Search for the third best channel with 50 subjects, no baseline is removed.