

**Supplement Table S1.** The classification results are based on leave-one-out cross-validation using single-channel per-time on eye-open status with a 95% confidence interval (CI)

Left/Right	Channel	Sen	Sep	Acc	CI( 95%)
Right	Fp2	0.89	0.88	<b>88.5%</b>	(0.87,0.90)
	F8	0.89	0.82	85.9%	(0.84,0.88)
	T4	<b>0.87</b>	<b>0.91</b>	<b>89.2%</b>	<b>(0.87,0.91)</b>
	T6	0.86	0.88	86.9%	(0.85,0.89)
	O2	0.89	0.81	84.8%	(0.83,0.87)
Left	Fp1	0.88	0.85	86.8%	(0.85,0.89)
	F7	0.89	0.81	85.1%	(0.83,0.87)
	T3	<b>0.94</b>	0.82	<b>88.0%</b>	(0.86,0.90)
	T5	<b>0.94</b>	0.82	<b>88.0%</b>	(0.86,0.90)
	O1	0.87	0.89	88.3%	(0.86,0.90)
Right	F4	0.90	0.81	85.3%	(0.87,0.90)
	C4	0.89	0.81	84.7%	(0.83,0.87)
	P4	0.88	0.89	88.4%	(0.86,0.90)
Left	T5	0.82	0.88	85.2%	(0.83,0.87)
	O1	0.88	0.88	88.1%	(0.86,0.90)
	F3	0.84	0.89	86.6%	(0.85,0.89)
Centre	Fz	0.84	0.84	84.0%	(0.82,0.86)
	Cz	0.83	0.91	86.9%	(0.85,0.89)
	Pz	0.86	<b>0.88</b>	87.2%	(0.86,0.89)

**Supplement Table S2.** The classification results are based on leave-one-out cross-validation using single-channel per-time on eye-close status with a 95% confidence interval (CI)

Left/Right	Channel	Sen	Sep	Acc	CI( 95%)
Right	Fp2	0.87	0.88	87.3%	(0.85, 0.89)
	F8	0.90	0.82	86.5%	(0.84, 0.88)
	T4	0.93	0.91	92.0%	<b>(0.90, 0.94)</b>
	T6	0.91	0.87	89.4%	(0.87, 0.91)
	O2	0.89	0.77	83.2%	(0.81, 0.86)
Left	Fp1	0.89	0.85	86.7%	(0.85, 0.89)
	F7	0.89	0.87	87.9%	(0.86, 0.90)
	T3	0.96	0.85	90.8%	<b>(0.89, 0.93)</b>
	T5	0.89	0.88	88.8%	(0.86, 0.90)
	O1	0.89	0.78	83.6%	(0.81, 0.86)
Right	F4	0.89	0.87	88.1%	(0.86, 0.90)
	C4	0.91	0.82	86.6%	(0.85, 0.89)
	P4	0.87	0.83	85.0%	(0.83, 0.87)
Left	T5	0.88	0.88	88.0%	(0.86, 0.90)
	O1	0.91	0.85	88.2%	(0.86, 0.90)
	F3	0.89	0.82	85.8%	(0.84, 0.88)
Centre	Fz	0.84	0.84	83.7%	(0.81, 0.86)
	Cz	0.87	0.89	88.3%	(0.86, 0.90)
	Pz	0.89	0.86	87.5%	(0.86, 0.90)