Supporting Information

For

Fingerprint Analysis and Comparison of Activity Differences of Crude Venom from Five Species of Cone Snail in the South China Sea

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Supplement figures:

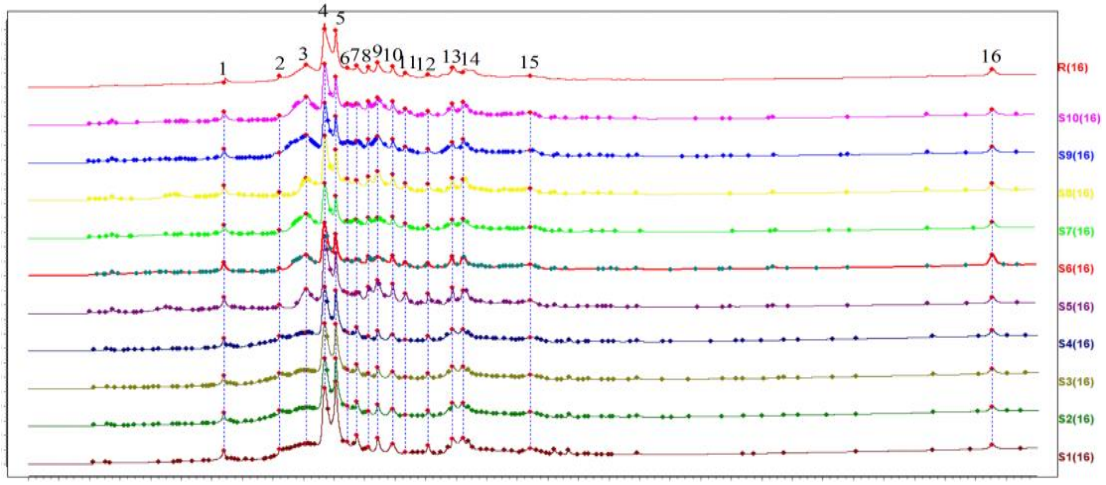

Figure S1. Fingerprint of crude venom of *C. tesselatus*. R is the reference map; S is the sample map. The numbers in brackets indicate the number of common peaks.

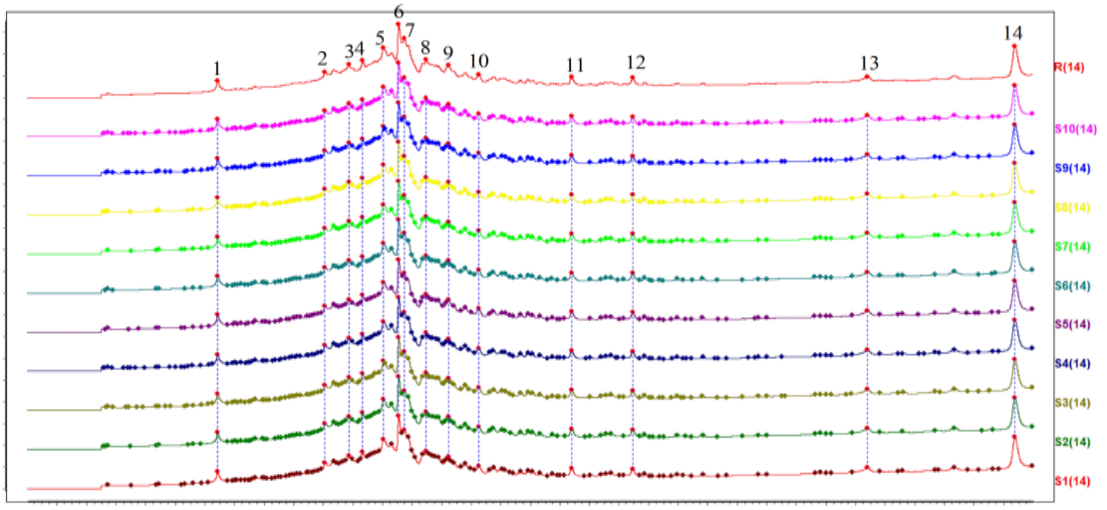

Figure S2. Fingerprint of crude venom of *C. generalis*. R is the reference map; S is the sample map. The numbers in brackets indicate the number of common peaks.

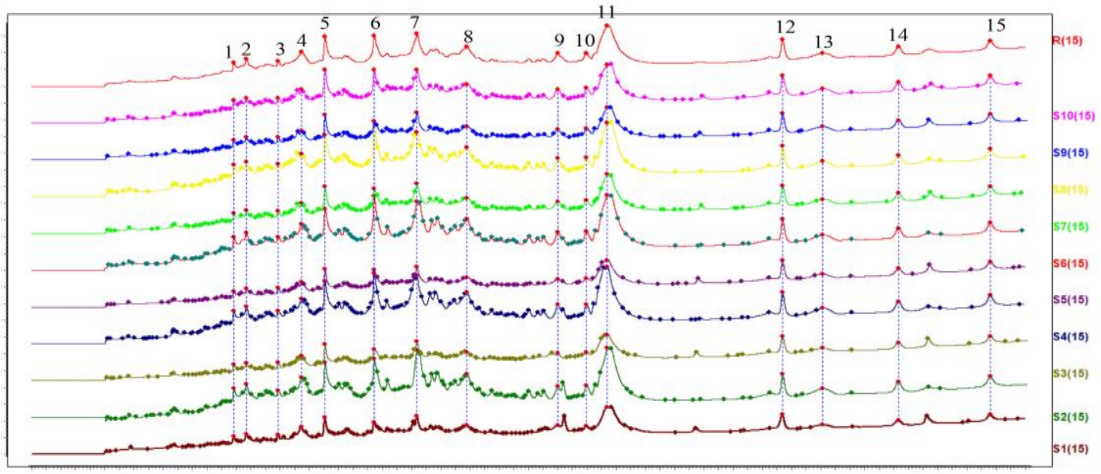

Figure S3. Fingerprint of crude venom of *C. caracteristicus*. R is the reference map; S is the sample map. The numbers in brackets indicate the number of common peaks.

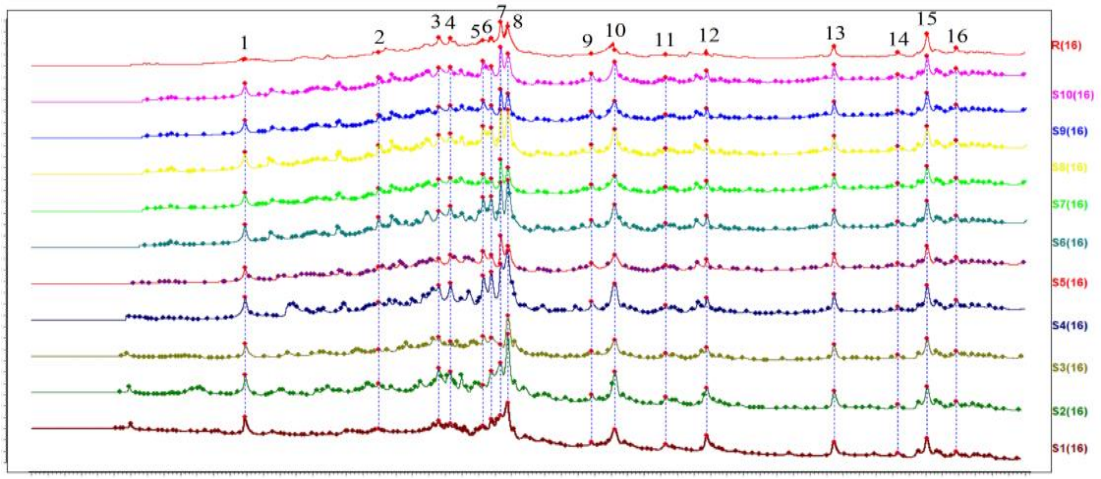

Figure S4. Fingerprint of crude venom of *C. betulinus*. R is the reference map; S is the sample map. The numbers in brackets indicate the number of common peaks.

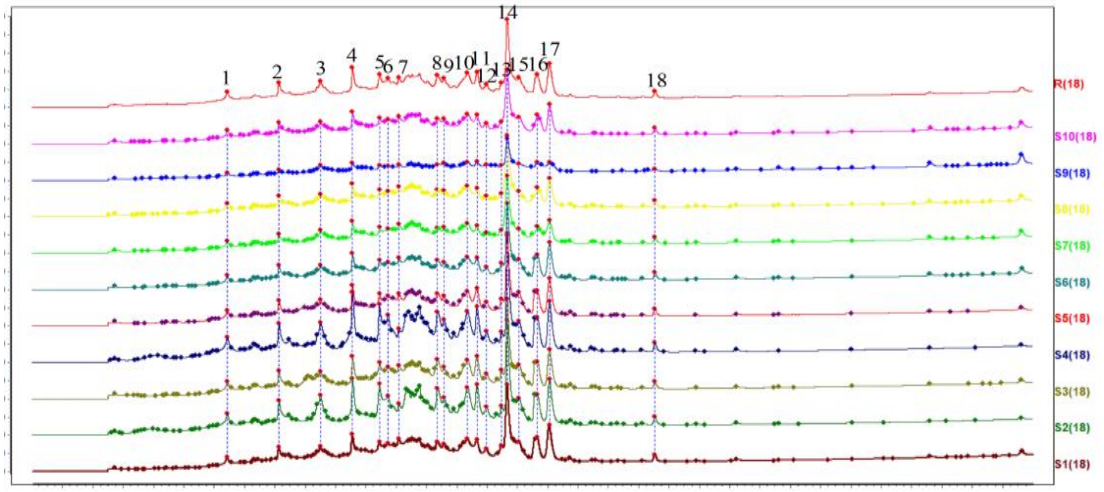

Figure S5. Fingerprint of crude venom of *C. quercinus*. R is the reference map; S is the sample map. The numbers in brackets indicate the number of common peaks.

Supplementary table:

Table S1. Similarity of crude venom fingerprints of 10 batches of *C. caracteristicus.*

	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	R
S1	1	0.920	0.933	0.893	0.872	0.901	0.891	0.895	0.890	0.890	0.935
S2	0.920	1	0.948	0.920	0.942	0.929	0.970	0.966	0.945	0.966	0.974
S3	0.933	0.9480	1	0.931	0.951	0.937	0.955	0.965	0.955	0.955	0.975
S4	0.893	0.9200	0.931	1	0.964	0.956	0.950	0.960	0.950	0.954	0.969
S5	0.872	0.9420	0.951	0.964	1	0.961	0.989	0.981	0.986	0.983	0.983
S6	0.901	0.9290	0.937	0.956	0.961	1	0.969	0.980	0.977	0.967	0.980
S7	0.891	0.9700	0.955	0.950	0.989	0.969	1	0.993	0.992	0.988	0.990
S8	0.895	0.9660	0.965	0.960	0.981	0.980	0.993	1	0.989	0.989	0.993
S9	0.890	0.9450	0.955	0.950	0.986	0.977	0.992	0.989	1	0.974	0.986
S10	0.890	0.9660	0.955	0.954	0.983	0.967	0.988	0.989	0.974	1	0.988
R	0.935	0.9740	0.975	0.969	0.983	0.980	0.990	0.993	0.986	0.988	1

Table S2. Similarity of crude venom fingerprints of 10 batches of *C. betulinus.*

	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	R
S1	1	0.980	0.984	0.981	0.992	0.998	0.983	0.985	0.955	0.987	0.997
S2	0.980	1	0.974	0.998	0.976	0.980	0.962	0.960	0.935	0.962	0.987
S3	0.984	0.974	1	0.973	0.996	0.986	0.973	0.973	0.954	0.967	0.990
S4	0.981	0.998	0.973	1	0.977	0.984	0.962	0.963	0.939	0.965	0.989
S5	0.992	0.976	0.996	0.977	1	0.992	0.982	0.982	0.958	0.976	0.995
S6	0.998	0.980	0.986	0.984	0.992	1	0.980	0.984	0.954	0.985	0.997
S7	0.983	0.962	0.973	0.962	0.982	0.980	1	0.997	0.935	0.972	0.986
S8	0.985	0.960	0.973	0.963	0.982	0.984	0.997	1	0.934	0.975	0.987
S9	0.955	0.935	0.954	0.939	0.958	0.954	0.935	0.934	1	0.968	0.962
S10	0.987	0.962	0.967	0.965	0.976	0.985	0.972	0.975	0.968	1	0.986
R	0.997	0.987	0.990	0.989	0.995	0.997	0.986	0.987	0.962	0.986	1

Table S3. Similarity of crude venom fingerprints of 10 batches of *C. generalis.*

	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	R
S1	1	0.990	0.991	0.993	0.925	0.933	0.920	0.950	0.905	0.842	0.975
S2	0.990	1	0.999	0.998	0.927	0.923	0.906	0.940	0.899	0.799	0.968
S3	0.991	0.999	1	0.999	0.926	0.922	0.907	0.942	0.898	0.802	0.968
S4	0.993	0.998	0.999	1	0.939	0.935	0.922	0.953	0.916	0.828	0.978
S5	0.925	0.927	0.926	0.939	1	0.977	0.981	0.959	0.979	0.921	0.982
S6	0.933	0.923	0.922	0.935	0.977	1	0.975	0.956	0.972	0.912	0.978
S7	0.920	0.906	0.907	0.922	0.981	0.975	1	0.962	0.976	0.939	0.977
S8	0.950	0.940	0.942	0.953	0.959	0.956	0.962	1	0.956	0.916	0.983
S9	0.905	0.899	0.898	0.916	0.979	0.972	0.976	0.956	1	0.926	0.971
S10	0.842	0.799	0.802	0.828	0.921	0.912	0.939	0.916	0.926	1	0.917
R	0.975	0.968	0.968	0.978	0.982	0.978	0.977	0.983	0.971	0.917	1

Table S4. Similarity of crude venom fingerprints of 10 batches of *C. quercinus.*

	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	R
S1	1	0.953	0.993	0.987	0.986	0.934	0.948	0.943	0.984	0.981	0.986
S2	0.953	1	0.950	0.965	0.940	0.987	0.974	0.996	0.959	0.957	0.988
S3	0.993	0.95	1	0.988	0.987	0.938	0.940	0.943	0.972	0.968	0.983
S4	0.987	0.965	0.988	1	0.987	0.961	0.955	0.959	0.969	0.970	0.991
S5	0.986	0.940	0.987	0.987	1	0.937	0.942	0.930	0.953	0.952	0.976
S6	0.934	0.987	0.938	0.961	0.937	1	0.958	0.989	0.927	0.926	0.976
S7	0.948	0.974	0.940	0.955	0.942	0.958	1	0.971	0.949	0.958	0.977
S8	0.943	0.996	0.943	0.959	0.930	0.989	0.971	1	0.952	0.952	0.983
S9	0.984	0.959	0.972	0.969	0.953	0.927	0.949	0.952	1	0.997	0.982
S10	0.981	0.957	0.968	0.970	0.952	0.926	0.958	0.952	0.997	1	0.982
R	0.986	0.988	0.983	0.991	0.976	0.976	0.977	0.983	0.982	0.982	1

Table S5. Similarity of crude venom fingerprints of 10 batches of *C. tesselatus.*

	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	R
S1	1	0.945	0.924	0.945	0.999	0.934	0.951	0.945	0.924	0.945	0.972
S2	0.945	1	0.99	0.997	0.946	0.948	0.945	0.932	0.99	0.997	0.994
S3	0.924	0.99	1	0.99	0.925	0.929	0.924	0.99	0.989	0.99	0.986
S4	0.945	0.997	0.99	1	0.946	0.946	0.945	0.997	0.99	0.987	0.994
S5	0.999	0.946	0.925	0.946	1	0.999	0.999	0.946	0.925	0.946	0.973
S6	0.95	0.948	0.929	0.946	0.999	1	0.978	0.948	0.929	0.946	0.974
S7	0.94	0.945	0.924	0.945	0.999	0.984	1	0.945	0.924	0.945	0.972
S8	0.945	0.95	0.99	0.997	0.946	0.948	0.945	1	0.99	0.997	0.994
S9	0.924	0.99	0.965	0.99	0.925	0.929	0.924	0.99	1	0.99	0.986
S10	0.945	0.997	0.99	0.943	0.946	0.946	0.945	0.997	0.99	1	0.994
R	0.972	0.994	0.986	0.994	0.973	0.974	0.972	0.994	0.986	0.994	1