

Table S2. Genome mapping of reads from ship sturgeon genome to genome sequences of *A. ruthenus*.

Sample	All reads	Mapping reads	Mapping rate
SS01	320084008	327574843	99.48%
SS02	320164352	318501727	99.48%
SS03	320264610	318593489	99.48%
SS04	320147024	318502897	99.49%
SS05	320015306	318367691	99.49%
SS06	320315426	318716147	99.50%
SS07	320211422	318658348	99.51%
SS08	320210142	318621428	99.50%
SS09	320088890	318517023	99.51%
SS10	257939920	256566428	99.47%
SS11	318228722	316579982	99.48%
SS12	320075688	327493162	99.51%
SS13	290731672	289284156	99.50%
SS14	320123410	318675453	99.55%
SS15	303331526	301846221	99.51%
SS16	278818214	277409868	99.49%
Average	310671896	310244304	99.50%