

Table SI. Profile of canine hemangiosarcoma cases in the present study (n=19).

Case	Dog breed	Age	Sex	Histology	PIK3CA mutation
1	Golden Retriever	9	Castrated male	Hemangiosarcoma in the spleen	—
2	Shih Tzu	15	Intact male	Hemangiosarcoma in the spleen	—
3	Mixed	9	Intact male	Hemangiosarcoma in the spleen	—
4	Mixed	10	Intact male	Hemangiosarcoma in the spleen	—
5	Mixed	14	Intact male	Hemangiosarcoma in spleen and ovary (left)	—
6	Beagle	13	Spayed female	Hemangiosarcoma in the spleen	—
7	Mixed	9	Spayed female	Hemangiosarcoma in the spleen	H1047R
8	Miniature Schnauzer	12	Intact male	Hemangiosarcoma in the spleen	—
9	Golden Retriever	13	Spayed female	Hepatic hemangiosarcoma	H1047L
10	Miniature Schnauzer	11	Spayed female	Hemangiosarcoma in the spleen	—
11	Miniature	10	Castrated	Hepatic	—

	Dachshund		male	hemangiosarcoma	
12	Border Collie	14	Intact female	Hemangiosarcoma and follicular lymphoid hyperplasia in the spleen	—
13	Labrador Retriever	12	Spayed female	Hemangiosarcoma in the spleen	—
14	Flat-Coated Retriever	10	Spayed female	Splenic hemangiosarcoma and its dissemination to the omentum	—
15	Beagle	13	Castrated male	Hemangiosarcoma and arteriolar atherosclerosis	—
16	Miniature Dachshund	11	Intact male	Hemangiosarcoma and myelolipoma	—
17	French Bulldog	10	Spayed female	Hemangiosarcoma in the spleen and its metastases to the lymph nodes	—
18	Welsh Corgi	10	Castrated male	Hemangiosarcoma in the spleen and its dissemination to the omentum	—

19	Pug	12	Castrated male	Hemangiosarcoma and nodular lymphoid hyperplasia in the spleen	—
PIK3CA, p110 α phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha.					