

Table S1. Description of the feed supplements used in each of the studies

Ref.		Complementary feed
1	[55]	UC-II® 1 mg/day (Group II) or 10 mg/day (Group III) of active ingredient (InterHealth Nutraceuticals Inc.)
2	[30]	UC-II® 10 mg/day (Group II) of active ingredient, Glucosamine 2000 mg/day, Chondroitin 1600 mg/day (Group III), UC-II® 10 mg/day of active ingredient, Glucosamine 2000 mg/day, Chondroitin 1600 mg/day (Group IV) (InterHealth Nutraceuticals Inc.)
3	[56]	UC-II® 10 mg/day of active ingredient (Group II), (-)-hydroxycitric acid 1800 mg/day (Group III), (-)-hydroxycitric acid 1800 mg/day, chromemate 100 mcg/day, (Group IV), UC-II® 10 mg/day of active ingredient, (-)-hydroxycitric acid 1800 mg/day, chromemate 100 mcg/day (Group V) (InterHealth Nutraceuticals Inc.)
4	[57]	UC-II® 10 mg/day of active ingredient (InterHealth Nutraceuticals Inc) (Group II)
5	[58]	UC-II® 10 mg/day of active ingredient (Group II), Glucosamine 2000 mg/day, Chondroitin 1600 mg/day (Group III), UC-II® 10 mg/day of active ingredient, Glucosamine 2000 mg/day, Chondroitin 1600 mg/day (Group IV) (InterHealth Nutraceuticals Inc.)
6	[59]	Undenatured Type II Collagen 10 mg/day of active ingredient (creme nonfibrou powder; NEXT-II) (Ryusendo Co. Ltd.) (Group II)
7	[60]	Robenacoxib 1 mg/kg/day (Onsior®) (Group I), UC-II® 10 mg/day of active ingredient, Omega 3-fatty acid, Vitamin E (Flexadin® Advanced, Vetoquinol S.r.l.) (Group II)
8	[61]	Undenatured Type II Collagen 10 mg/day (no specify commercial product).
9	[62]	UC-II® 10 mg/day of active ingredient (Lonza Consumer Health Inc.) (Group II)
10	[63]	UC-II® 10 mg/day of active ingredient (Lonza Consumer Health Inc.) (Group II)
11	[64]	UC-II® 10 mg/day of active ingredient, Omega 3-fatty acid, Vitamin E (Flexadin® Advanced, Vetoquinol S.r.l.)
12	[65]	Cimicoxib 2 mg/kg/day (Cimalgex®, Vetoquinol) (Group II), UC-II® 10 mg/day of active ingredient, Omega 3-fatty acid, Vitamin E (Flexadin® Advanced, Vetoquinol S.r.l.) (Group III), Cimicoxib 2 mg/kg/day + UC-II® 10 mg/day of active ingredient, Omega 3-fatty acid, Vitamin E (Group IV)
13	[66]	UC-II® 10 mg/day of active ingredient (Lonza Consumer Health Inc.) (Group II)
14	[67]	UC-II® 10 mg/day of active ingredient (Lonza Consumer Health Inc.) (Group II)
15	[34]	<i>Boswellia serrata</i> 400 mg/10 kg/day (extract BSB108, BOGAR AG)
16	[68]	<i>Boswellia serrata</i> , <i>Harpagophytum procumbens</i> , <i>Ribes nigrum</i> , <i>Salix alba</i> , <i>Tanacetum parthenium</i> , Omega 3-fatty acid (Group II-A) <i>Boswellia serrata</i> , <i>Harpagophytum procumbens</i> , <i>Ribes nigrum</i> , <i>Ananas comosus</i> , <i>Curcuma longa</i> , Omega 3-fatty acid, Glucosamine, Methylsulfonylmethane, Chondroitin, L-glutamate, Hyaluronic acid (Natural Health product formulation) (Group-B)

17	[52]	<i>Boswellia serrata</i> , Glucosamine, Chondroitin, Chitosamine, Omega- 3/6 fatty acid, green-lipped mussel, <i>Harpagophytum procumbens</i> (Sanypet Forza 10, USA Corporation) (Group II)
18	[26]	<i>Boswellia serrata</i> , Glucosamine, Chondroitine, <i>Ribes nigrum</i> , Krill flour 1%, <i>Lentinus edode</i> , <i>Equisetum arvense</i> , <i>Curcuma longa</i> , <i>Harpagophytum procumbens</i> (Daynamopet srl) (Group II)
19	[69]	<i>Boswellia serrata</i> , Eggshell, Astaxanthin, Hyaluronic acid, Vitamin D (Movoflex, Virbac) (Group II)
21	[54]	<i>Boswellia serrata</i> 150 mg/15 kg/day, <i>Cannabis sativa</i> , <i>Cucumis melo</i> L., <i>Cannabidioil</i> (Candoli Pharma Srl.)
21	[70]	Glucosamine, Chondroitin, Omega 3-fatty acid, Vitamin C and E, <i>Saccharomyces Cerevisiae</i> (Group I) <i>Boswellia serrata</i> , Glucosamine, Chondroitin, Omega 3-fatty acid, Vitamin C and E, <i>Saccharomyces Cerevisiae</i> , <i>Curcuma</i> (Aurora Biofarma) (Group II)
22	[71]	<i>Boswellia serrata</i> , Canapa oil, <i>Zingiber officinale</i> , Vitamin C, Alfa-tocoferol (Evexia Plus, Candoli Pharma Srl.) (Group II)
23	[72]	<i>Boswellia serrata</i> Roxb, <i>Cannabis sativa</i> oil, <i>Zingiber officinale</i> extract (Evexia Plus, Candoli Pharma Srl.) (Group II)
24	[73]	<i>Boswellia</i> gum, Bromelain, Devil's claw tuber, Sarsaparilla root, Dandelion root, Yucca root, Turmeric root extract (Pet Wellbeing Agile Joins) (Group II)
25	[36]	<i>Boswellia serrata</i> 31,5 mg, Undenatured Type II Collagen 4 mg, <i>Curcuma longa</i> , Green tea extract, Glucosamine, Chondroitin sulfate, Hyaluronic acid (Confis Ultra, Candioli Pharma Srl)
26	[37]	<i>Boswellia serrata</i> , Undenatured Type II Collagen, Chlorophyll, Green tea extract, Glucosamine, Chondroitin, Hyaluronic acid (Confis Ultra, Candioli Pharma Srl) (Group II)