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UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF CALIFORNIA

IN RE: PACKAGED SEAFOOD
PRODUCTS ANTITRUST LITIGATION

Case No.: 15-MD-2670 JLS (MDD)

**ORDER GRANTING MOTIONS
FOR CLASS CERTIFICATION**

(ECF Nos. 1130, 1140, 1143)

Presently before the Court are three Motions for Class Certification filed by the Direct Purchaser Plaintiffs (“DPPs”) (“DPP Mot.,” ECF No. 1140), Commercial Food Preparer Plaintiffs (“CFPs”) (“CFP Mot.,” ECF No. 1143), and End Payer Plaintiffs (“EPPs”) (“EPP Mot.,” ECF No. 1130) (together, the “Motions”). Also before the Court are Defendants’ Responses in Opposition to the DPP Motion (“DPP Opp’n,” ECF No. 1515), the CFP Motion (“CFP Opp’n,” ECF No. 1409), and the EPP Motion (“EPP Opp’n,” ECF No. 1413), as well as Plaintiffs’ Responses in Support of their Motions (“DPP Reply,” ECF No. 1707; “CFP Reply,” ECF No. 1655; “EPP Reply,” ECF No. 1703).

Having considered the Parties’ arguments, the reports and testimony of the expert witnesses, the oral arguments presented, and the relevant legal authorities, the Court **GRANTS** the Motions for Class Certification.

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BACKGROUND

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2 Plaintiffs initiated this action in 2015, alleging an antitrust conspiracy by Defendants
3 to fix and maintain prices above competitive levels in violation of state and federal antitrust
4 laws. The various civil actions relating to this conspiracy were consolidated in a
5 multidistrict litigation for centralized pretrial proceedings before this Court on December
6 9, 2015. *See* Transfer Order, ECF No. 1. Early in this multidistrict litigation, the Court
7 divided Plaintiffs into four tracks: (1) Direct Action Plaintiffs (“DAPs”), who are direct
8 purchasers proceeding individually against Defendants; (2) DPPs,¹ who are direct
9 purchasers proceeding on behalf of a putative class; (3) CFPs,² who are indirect purchasers
10 proceeding on behalf of a putative class; and (4) EPPs,³ who are indirect purchasers
11 proceeding on behalf of a putative class. Order Appointing Interim Lead Counsel 1–2,
12 ECF No. 119. The latter three tracks bring the current Motions.⁴

13 Defendants comprise the three largest domestic producers of packaged tuna
14 products—Bumble Bee Foods LLC, Tri-Union Seafoods LLC d/b/a Chicken of the Sea
15 (“COSI”)⁵, and StarKist Company—and their parent companies—Lion Capital LLP, Lion

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20 ¹ The named DPPs are Olean Wholesale Grocery Cooperative, Inc.; Pacific Groservice Inc. d/b/a PITCO
21 Foods; Piggly Wiggly Alabama Distributing Co., Inc.; Howard Samuels as Trustee in Bankruptcy for
Central Grocers, Inc.; Trepco Imports and Distribution Ltd.; and Benjamin Foods LLC.

22 ² The named CFPs are Thyme Café & Market; Simon-Hindi LLC, d/b/a Simon’s; Capitol Hill
23 Supermarket; Confetti’s; Maquoketa Care Center, Inc; A-1 Diner; Francis T. Enterprises d/b/a Erbert &
24 Gerbert’s; Groucho’s Deli of Raleigh; Sandee’s Catering; Groucho’s Deli of Five Points; Rushin Gold
d/b/a the Gold Rush; and Erbert & Gerbert’s.

25 ³ At the time EPPs filed their Motion, the proposed EPP Class Representatives included 73 individual
26 consumers. *See* Declaration of Betsy Manifold (“Manifold Decl.”), ECF No. 1130-3, at 2.

27 ⁴ Although the DAPs are included in the DPP class definition, the DAPs have indicated they will opt-out
of any class that is certified.

28 ⁵ Notice of settlements have been filed between COSI and the CFPs and COSI and the EPPs.

1 Capital (Americas), Inc., and Big Catch Cayman LP, owners of Bumble Bee; Dongwon
2 Industries Co. Ltd, owner of StarKist⁶; and Thai Union Group Co. Ltd, owner of COSI.

3 Class Plaintiffs bring claims under federal and state antitrust laws, alleging that
4 Defendants took part in various forms of anti-competitive conduct, including
5 agreeing to fix certain net and list prices for packaged tuna, agreeing to limit promotional
6 activity for packaged tuna, and agreeing to exchange sensitive or confidential business
7 information for the purpose of facilitating the object of the conspiracy. Plaintiffs allege
8 that the conspiracy began at least by November of 2010 and lasted until at least
9 December 31, 2016. Plaintiffs felt the effects of this conspiracy in the form of
10 supracompetitive prices paid for packaged tuna products.

11 Shortly after the commencement of this action, the U.S. Department of Justice
12 (“DOJ”) noticed the Court of pending investigations of the Defendants. Since that time,
13 Defendants and individual employees have pled guilty and the DOJ has entered multiple
14 indictments. As of the filing of this Order, Bumble Bee has pled guilty to price-fixing of
15 packaged tuna products and been criminally fined. Two of Bumble Bee’s senior executives
16 have also pled guilty and its CEO has been indicted in the Northern District of California.
17 StarKist has pled guilty and will be criminally fined, and one of its senior executives has
18 also pled guilty. Chicken of the Sea has admitted to price fixing and is cooperating with
19 the DOJ investigation.

20 Plaintiffs filed the current Motions in April 2018. To support their Motions and to
21 prove impact to the Class members, the Class Plaintiff groups each enlisted econometric
22 experts, each of whom submitted an expert report. The reports detail the canned tuna
23 market characteristics and state the experts’ findings regarding whether there is evidence
24 to support that a conspiracy occurred; whether all, or nearly all, of the Class members
25 suffered impact; and whether damages can reasonably be calculated. To make these
26 findings, the experts each put forth regression models to show the impact to the Class
27

28 ⁶ Starkist was previously owned by Del Monte Food Company and H.J. Heinz Co.

1 members; it is these models that have become the main focus of Defendants’ Oppositions
2 to certification.

3 The Court heard testimony from the experts and counsels’ oral arguments over a
4 three-day period on January 14 through 16, 2019. Recognizing the importance of the
5 experts’ role in certifying the classes, the Court focused the hearing on the models each
6 expert put forward to prove that common evidence could show impact to the Class
7 members. Each day, both sides’ experts offered direct testimony to explain and defend
8 their respective findings concerning the antitrust violations, injury, and damages, and each
9 opposing side cross-examined those witnesses to expose any deficiencies that arguably
10 render their findings unreliable.

11 LEGAL STANDARD

12 The party seeking to certify a class under Federal Rule of Civil Procedure 23 bears
13 the burden of showing that they have satisfied each of the four requirements of Rule 23(a)
14 and at least one of the three requirements of Rule 23(b). *Comcast Corp. v. Behrend*, 569
15 U.S. 27, 33 (2013). Rule 23(a) provides four requirements that must be met in any class
16 action: (1) the class is so numerous that joinder of all members is impracticable; (2) there
17 are questions of law or fact common to the class; (3) the claims or defenses of the
18 representative parties are typical of the claims or defenses of the class; and (4) the
19 representative parties will fairly and adequately protect the interests of the class. Fed. R.
20 Civ. P. 23(a).

21 As to Rule 23(b), a plaintiff need only show that any one of the three provisions is
22 satisfied. Plaintiffs seek certification of the proposed classes pursuant to Rule 23(b)(3) and
23 therefore must demonstrate that (1) “questions of law or fact common to class members
24 predominate over any questions affecting only individual members,” and (2) “a class action
25 is superior to other available methods for fairly and efficiently adjudicating the
26 controversy.” Fed. R. Civ. P. 23(b)(3).

27 “Rule 23 does not set forth a mere pleading standard.” *Wal-Mart Stores, Inc. v.*
28 *Dukes*, 564 U.S. 338, 350 (2011). Rather, “[a] party seeking class certification must

1 affirmatively demonstrate his compliance with the Rule—that is, he must be prepared to
2 prove that there are in fact sufficiently numerous parties, common questions of law or fact,
3 etc.” *Id.* The Court must engage in a “rigorous analysis,” often requiring some evaluation
4 of the “merits of the plaintiff’s underlying claim,” before finding that the prerequisites for
5 certification have been satisfied. *Id.*; *see also Comcast*, 569 U.S. at 33–34. “Although
6 some inquiry into the substance of a case may be necessary[,]” the court should not advance
7 a decision on the merits at the class certification stage. *Staton v. Boeing Co.*, 327 F.3d 938,
8 954 (9th Cir. 2003) (citations and internal quotation marks omitted). “Merits questions
9 may be considered to the extent—but only to the extent—that they are relevant to
10 determining whether Rule 23 prerequisites for class certification are satisfied.” *Amgen Inc.*
11 *v. Conn. Ret. Plans & Trust Funds*, 568 U.S. 455, 466 (2013).

12 DISCUSSION

13 I. The DPPs’ Motion for Class Certification

14 The DPPs seek to certify the following class:

15 Direct Purchaser Plaintiff Class: All persons and entities that
16 directly purchased packaged tuna products within the United
17 States, its territories and the District of Columbia from any
18 Defendant at any time between June 1, 2011 and July 1, 2015.
19 Excluded from the class are all governmental entities;
20 Defendants and any parent, subsidiary or affiliate thereof;
21 Defendants’ officers, directors, employees, and immediate
22 families; any federal judges or their staffs; purchases of tuna
23 salad kits or cups; and salvage purchases.

22 Defendants opposition to the DPPs’ proposed class focuses on just one of the Rule
23 prerequisites: Rule 23(b). Specifically, the majority of Defendants’ arguments deals
24 with whether common questions predominate. Nevertheless, the Court will address all of
25 the Rule 23 requirements, starting with Rule 23(a) and then moving to Rule 23(b), focusing
26 on the arguments and various sub-arguments raised by Defendants.

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1 **A. Rule 23(a) Requirements**

2 1. Numerosity

3 Rule 23(a)(1) requires the party seeking certification to show the “class is so
4 numerous that joinder of all members is impracticable.” Fed. R. Civ. P. 23(a)(1). While
5 “[t]he numerosity requirement is not tied to any fixed numerical threshold[,] . . . [i]n
6 general, courts find the numerosity requirement satisfied when a class includes at least 40
7 members.” *Rannis v. Rechia*, 380 Fed. App’x 646, 651 (9th Cir. 2010).

8 The DPPs state that the proposed class includes “thousands of members,
9 geographically dispersed throughout the United States.” DPP Mot. at 20–21 (citing
10 Declaration of Russell Mangum III (“Mangum Report”), ECF No. 1192-1 ¶¶ 77–80, 205).
11 This large number of Class members spread across the country would make joinder
12 impracticable, and thus numerosity is satisfied. *See Harik v. Cal. Teachers Ass’n*, 326 F.3d
13 1042, 1051–52 (9th Cir. 2003) (finding numerosity satisfied where the “members exceed
14 sixty, and the defendants never presented any reason to the district court why they did not
15 meet the numerosity requirement”).

16 2. Commonality

17 The commonality requirement of Rule 23(a)(2) requires that “class members’ claims
18 ‘depend upon a common contention’ such that ‘determination of its truth or falsity will
19 resolve an issue that is central to the validity of each [claim] in one stroke.’” *Mazza v. Am.*
20 *Honda Motor Co.*, 666 F.3d 581, 588 (9th Cir. 2012) (quoting *Dukes*, 564 U.S. at 350).
21 The common issues do not need to be legally and factually identical. Rather, the “common
22 questions may center on ‘shared legal issues with divergent factual predicates [or] a
23 common core of salient facts coupled with disparate legal remedies.’” *Jimenez v. Allstate*
24 *Ins. Co.*, 765 F.3d 1161, 1165 (9th Cir. 2014) (quoting *Hanlon v. Chrysler Corp.*, 150 F.3d
25 1011, 1019 (9th Cir. 1998)); *Dukes*, 564 U.S. at 359 (“[E]ven a single common question
26 will do.”). In other words, the inquiry is whether resolution of a common issue will “drive
27 the resolution of the litigation.” *Jimenez*, 150 F.3d at 1165.

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1 The Rule 23(a)(2) commonality and Rule 23(b)(3) predominance inquiries often
2 overlap, creating a “fuzzy line” separating the two determinations. *See In re Capacitors*
3 *Antitrust Litig.*, 17-md-2801 JD, 2018 WL 5980139, at *3 (N.D. Cal. Nov. 14, 2018). Both
4 require a “rigorous analysis,” which many courts have considered together, folding the two
5 determinations into one. *See, e.g., id.* Here, Defendants do not directly dispute
6 commonality; instead they focus their arguments on predominance. Because the
7 predominance inquiry “is even more demanding than Rule 23(a),” *Comcast*, 569 U.S. at
8 34, the Court will focus its attention on the predominance determination, noting that should
9 the parties fail to meet the predominance requirement, the commonality requirement will
10 likewise fail.

11 3. Typicality

12 Under Rule 23(a)(3), a party seeking class certification must show “the claims or
13 defenses of the representative parties are typical of the claims or defenses of the class.”
14 “The test of typicality ‘is whether other members have the same or similar injury, whether
15 the action is based on conduct which is not unique to the named plaintiffs, and whether
16 other class members have been injured by the same course of conduct.’” *Ellis v. Costco*
17 *Wholesale Corp.*, 657 F.3d 970, 984 (9th Cir. 2011) (quoting *Hanon v. Dataproducts*
18 *Corp.*, 976 F.2d 427, 508 (9th Cir. 1992)).

19 Based on the anti-competitive conduct alleged by the DPPs, which resulted in the
20 same injury to the named and unnamed Plaintiffs, the typicality requirement is met. *See*
21 *Dynamic Random Access Memory (DRAM) Antitrust Litig.*, No. M 02-1486 PJH, 2006 WL
22 1530166, at *5 (N.D. Cal. June 5, 2006) (noting the “substantial legal authority holding in
23 favor of a finding of typicality in price fixing conspiracy cases, even where differences
24 exist between plaintiffs and absent class members with respect to pricing, products, and/or
25 methods of purchasing products”).

26 4. Adequacy

27 Rule 23(a)(4) requires that “the representative parties will fairly and adequately
28 protect the interests of the class.” The adequacy inquiry turns on whether (1) the “named

1 plaintiffs and their counsel have any conflicts of interest with other class members” and
2 (2) “the named plaintiffs and their counsel [will] prosecute the action vigorously on behalf
3 of the class.” *Hanlon*, 150 F.3d at 1020. “Adequate representation depends on, among
4 other factors, an absence of antagonism between representatives and absentees, and a
5 sharing of interest between representatives and absentees.” *Ellis*, 657 F.3d at 980 (citing
6 *Molski v. Gleich*, 318 F.3d 937, 955 (9th Cir. 2003), *overruled on other grounds by Dukes*
7 *v. Wal-Mart Stores, Inc.*, 603 F.3d 571, 617 (9th Cir. 2010)).

8 Defendants also do not contest adequacy and the Court finds that the DPPs’ named
9 representatives and counsel satisfy this requirement. There are no conflicts between the
10 DPPs’ interests and those of absent Class members, *see* DPP Mot. at 21; all Class members
11 seek the same relief and thus share the same interest, *see id.*; and the named plaintiffs have
12 actively participated in this litigation, *id.* at 22 (citing Declaration of Samantha Stein
13 (“Stein Decl.”), ECF No. 1138). As for Class counsel, the DPPs’ counsel has vigorously
14 prosecuted this action and no party has raised any conflicts.

15 **B. Rule 23(b) Requirements**

16 A class may be certified under Rule 23(b)(3) only if the Court finds that questions
17 common to the class “predominate” over individualized questions and that using the class
18 action device is “superior” to the individual pursuit of claims. Fed. R. Civ. Proc. 23(b)(3).

19 **1. Predominance**

20 Under Rule 23(b)(3), plaintiffs must show “that the questions of law or fact common
21 to class members predominate over any questions affecting only individual members.”
22 Fed. R. Civ. P. 23(b)(3). Compared to the commonality requirement, the predominance
23 standard is “even more demanding.” *Comcast*, 569 U.S. at 34. Class certification is
24 appropriate when “common questions present a significant aspect of the case and they can
25 be resolved for all members of the class in a single adjudication.” *Hanlon*, 150 F.3d at
26 1022.

27 When making the predominance determination, the Court begins by considering
28 whether questions of law or fact predominate regarding the key elements of the claims

1 alleged. *Erica P. John Fund, Inc. v. Halliburton Co.*, 563 U.S. 804, 809 (2011). The key
2 elements of the antitrust claims at issue are: “(1) whether there was a conspiracy to fix
3 prices in violation of the antitrust laws; (2) the fact of plaintiffs’ antitrust injury, or ‘impact’
4 of defendants’ unlawful activity; and (3) the amount of damages sustained as a result of
5 the antitrust violations.” *In re Optical Disk Drive Antitrust Litig.*, No. 10-MD-2143-RS,
6 2016 WL 467444, at *4 (N.D. Cal. Feb. 8, 2016); *see also In re Qualcomm Antitrust Litig.*,
7 No. 17-MD-2773-LHK, 2018 WL 4680214, at *12 (N.D. Cal. Sept. 27, 2018). With this
8 standard in mind, the Court proceeds through each element in turn.

9 a. Violation of Antitrust Laws

10 At the class certification stage, plaintiffs “do not need to prove the fact of a
11 conspiracy for certification, but only that the issue is common to the class and ‘is capable
12 of classwide resolution . . . in one stroke.’” *Capacitors*, 2018 WL 5980139, at *8 (quoting
13 *Dukes*, 564 U.S. at 350). The DPPs contend that common evidence exists that would be
14 used to prove the existence and scope of Defendants’ price fixing conspiracy, including
15 “the guilty pleas, and other documents memorializing communications between
16 competitors.” DPP Mot. at 23.

17 The DPPs’ expert econometrician, Dr. Russell Mangum III, also makes findings
18 using common evidence that a price fixing conspiracy existed. *See* Mangum Report ¶ 5.
19 Looking at the available data concerning the canned tuna market, Dr. Mangum concludes
20 that the dominate share of the canned tuna market Defendants control, barriers to entry by
21 potential competitors, the use of price lists, and several other factors make the canned tuna
22 industry ripe for anti-competitive activity. Mangum Report ¶¶ 97–142. Dr. Mangum also
23 makes detailed analyses regarding the record evidence, concluding that Defendants’
24 behavior points to the existence of a cartel. *Id.*

25 Based on this evidence, “if each Class Member were required to prove its claim
26 individually at trial, each would rely on the same proof to show that all of the Defendants
27 participated in a conspiracy to fix, maintain[,] and increase prices for packaged tuna.” DPP

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1 Mot. at 23. Thus, common questions predominate with respect to whether there has been
2 an antitrust violation.

3 b. Impact

4 To show antitrust impact, plaintiffs “must establish, predominantly with generalized
5 evidence, that all (or nearly all) members of the class suffered damage as a result of
6 Defendants’ alleged anti-competitive conduct.” *In re High-Tech Emp. Antitrust Litig.*, 289
7 F.R.D. 555, 567 (N.D. Cal. 2013). The DPPs primarily rely on the expert report of
8 Dr. Mangum to meet their burden. Dr. Mangum uses several forms of evidence, including
9 findings concerning the canned tuna market in general, documentary evidence from the
10 record, and most importantly—and most in contention—econometric analysis in the form
11 of a regression model which purports to prove that the price-fixing conspiracy harmed all,
12 or nearly all, of the Class members.

13 “[W]here plausibly reliable, [econometric analysis] should be allowed as a means of
14 common proof. To rule otherwise would allow antitrust violators a free pass in many
15 industries.” *In re Graphics Processing Units Antitrust Litig.*, 253 F.R.D. 478, 491 (N.D.
16 Cal. 2008) (“GPU”). “But that does not mean certification is automatic every time counsel
17 dazzle the courtroom with graphs and tables.” *Id.* Indeed, the Court must “conduct[] a
18 thorough review of [p]laintiffs’ theory and methodology” to ensure they are “consistent
19 with the requirement that the Court conduct a ‘rigorous analysis’” and that “the
20 predominance requirement is met.” *In re High-Tech Emp. Antitrust Litig.*, 289 F.R.D. at
21 567. Otherwise, “nearly all antitrust plaintiffs could survive certification without fully
22 complying with Rule 23.” *GPU*, 253 F.R.D. at 492; *see also In re Rail Freight Fuel*
23 *Surcharge Antitrust Litig.*, 725 F.3d 244, 255 (D.C. Cir. 2013) (“It is now clear . . . that
24 Rule 23 not only authorizes a hard look at the soundness of statistical models that purport
25 to show predominance—the rule commands it.”). Put another way, the inquiry must be to
26 determine if the proffered expert testimony has the requisite integrity to demonstrate
27 class-wide impact.

28 ///

1 Although the parties have not asked for the expert testimony to be stricken under
2 Federal Rule of Evidence section 702, the court still must “ensure that any and all [expert]
3 testimony . . . is not only relevant, but reliable.” *Dauber v. Merrell Dow Pharm.*, 509 U.S.
4 579, 589 (1993). Several courts have noted that where expert testimony is used to prove
5 impact, the predominance and *Daubert* standards often overlap. *See, e.g., Rail Freight*
6 *Surcharge Antitrust Litig.*, 292 F. Supp. 3d 14, 42 (D.D.C. 2017) (“[T]he line between
7 *Daubert* and class-wide impact ‘might prove somewhat illusory.’”) (quoting *In re*
8 *Processed Egg Prods. Antitrust Litig.*, 81 F. Supp. 3d 412, 416 (E.D. Pa. 2015)).

9 The starting threshold for the proffered testimony for these Motions is therefore
10 whether the reports are reliable and relevant. But the *Daubert* standard is not the only
11 hurdle for expert testimony at the class certification stage—the rigorous analysis required
12 by Rule 23 may require the Court to determine whether the expert’s evidence supporting
13 certification is in fact persuasive, and may also require the Court to resolve factual disputes
14 between dueling experts, if their disagreements pertain to whether the class plaintiffs can
15 prove impact. *In re Korean Ramen Antitrust Litig.*, No. 13-cv-04115-WHO, 2017 WL
16 235052, at *9 (N.D. Cal. Jan. 19, 2017) (citing *Ellis*, 657 F. 3d at 983–84). The Court will
17 first summarize Dr. Mangum’s report and then address each of Defendants’ objections.

18 i. Dr. Mangum’s Impact Analysis

19 Dr. Mangum’s report sets out to accomplish two tasks: (1) to determine whether the
20 alleged cartel’s pricing actions for packaged tuna would have a class-wide impact on direct
21 purchasers; and (2) “[t]o specify a methodology that can be used to accurately determine
22 the fact of and magnitude of class-wide impact, and to estimate damages.” Mangum Report
23 ¶ 1. Dr. Mangum considered a host of materials in preparing his report: litigation materials
24 including the Complaint, deposition transcripts, and interrogatory responses; Defendants’
25 business records, including sales, costs, and other financial records; and publicly available
26 information concerning the manufacture, sale, and consumption of packaged tuna. *Id.* ¶ 17.

27 In making his determinations, Dr. Mangum conducted both qualitative non-
28 empirical work and empirical statistical analysis. Beginning with the non-empirical work,

1 Dr. Mangum first considered the guilty pleas in which Defendants admitted participation
2 in price-fixing conspiracy, finding the pleas both indicative of impact on all members of
3 the class and informative in creating the parameters for his statistical models. *See id.* ¶ 139;
4 Jan. 14, 2019 Hearing Tr., at 49–50, ECF No. 1801. Next, Dr. Mangum made extensive
5 findings regarding the canned tuna market and Defendants’ business practices, which
6 Dr. Mangum found consistent with the alleged conspiracy. Mangum Report ¶¶ 97–142.
7 This evidence includes the dominate level of market share Defendants control, *id.*
8 ¶¶ 100–02; the barriers to entry because of the high capital investment costs, industry
9 knowledge, distribution arrangements between Defendants, and brand awareness, *id.*
10 ¶¶ 103–08; the collaborative relationship between Defendants and the ability to
11 communicate with each other, *id.* ¶¶ 109–19; standardized products sold, and common
12 costs shared, by all Defendants, *id.* ¶¶ 120–23; Defendants’ use of price lists, *id.*
13 ¶¶ 124–31; and the fact that tuna is a staple good with inelastic demand, *id.* ¶¶ 133–38.

14 Dr. Mangum then conducted statistical analysis in the form of correlation and
15 regression models. First, Dr. Mangum performed a price correlation analysis using
16 Defendants’ transactional data. *Id.* ¶¶ 144–53. Although price correlation models cannot
17 prove a conspiracy’s existence or common impact on its own, *id.* ¶ 144, this type of
18 evidence can be helpful in understanding industry behavior and show a likelihood of
19 common impact. *Id.* Dr. Mangum ran correlations across products, products and
20 defendants, and customer types; in each case he found the correlation coefficients to be
21 high and positive. *Id.* ¶¶ 150–53.

22 Finally—and most importantly for this Motion—to measure class-wide impact and
23 damages on a common basis, Dr. Mangum uses a reduced-form regression model to
24 estimate overcharges of canned tuna at the wholesale level. *Id.* ¶ 160. This approach is a
25 “widely used econometric technique for determining whether prices were higher during a
26 class period than they otherwise would have been without anti-competitive conduct.”
27 *Capacitors*, 2018 WL 5980139, at *6 (citing *In re Urethane Antitrust Litig.*, 768 F.3d 1245,
28 1260–61 (10th Cir. 2014); *GPU*, 253 F.R.D. at 495–96). The reduced form pricing

equation estimates the conditional wholesale price of tuna products as a function of a series of explanatory variables relating to product characteristics, supply and demand factors, and the period of alleged conspiracy. Mangum Report ¶ 160. The conditional, or “but for” prices (what the prices would have been but-for the illegal conduct) during the class period are then compared to the prices during the clean, benchmark period to determine whether there is a statistically significant overcharge. *See id.* ¶ 110.

The benchmark, class, and held out periods are as follows:

| Period of Time | Treatment in the Model | StarKist | Chicken of the Sea | Bumble Bee |
|--------------------|------------------------|-------------------|--------------------|-------------------|
| Early Examined | Benchmark | 01/2002 – 06/2008 | 01/2002 – 08/2008 | 01/2002 – 09/2010 |
| Can Resize | Indicator Variable | 07/2008 – 06/2010 | 09/2008 – 06/2010 | 10/2008 – 06/2010 |
| Middle Competitive | Benchmark | 07/2010 – 05/2011 | 07/2010 – 05/2011 | 07/2010 – 05/2011 |
| Class Period | Class | 06/2011 – 07/2015 | 06/2011 – 07/2015 | 06/2011 – 07/2015 |
| Cool down | Indicator Variable | 08/2015 – 01/2016 | 08/2015 – 01/2016 | 08/2015 – 01/2016 |
| Late Competitive | Benchmark | 01/2016 onwards | 01/2016 onwards | 01/2016 onwards |

Id. ¶¶ 161–64.

As the table indicates, Dr. Mangum treats two periods of time differently from the benchmark periods in his analysis. Those periods are: (1) July, September, and October 2008, respectively, through June 2010; and (2) the post-damages period from August 2015 to January 2016. *Id.* Dr. Mangum does not include the “can resize” period in the benchmarks because he claims the evidence shows that an industry-wide tuna can resizing produced a shock to the market, which makes that period not conducive to use as a benchmark. *Id.* The “cool down” period is excluded because the effects of the anti-competitive conduct during the class period still effect the data, making it necessary to omit it from the benchmark. *Id.* ¶ 169.

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1 Dr. Mangum used both transactional data from Defendants and publicly available
2 data in his regression model. *Id.* ¶¶ 181–84. To control for changes attributable to factors
3 other than anti-competitive behavior, Dr. Mangum uses multiple explanatory variables,
4 including product characteristics, input costs, customer type, and consumer preference and
5 demand. *Id.* ¶¶ 175–80 & MCD 14.

6 Putting the data, variables, and time periods together, Dr. Mangum forms a base
7 model to estimate whether Defendants overcharged the DPPs. This base overcharge model
8 is a “Pooled Model,” which uses data from all three Defendants together and creates one
9 overcharge finding for all three Defendants. *Id.* ¶ 188. Under his base regression model,
10 Dr. Mangum concludes that COSI, StarKist, and Bumble Bee charged prices above the
11 level that legitimate competitive factors would explain and shows a statistically significant
12 overcharge, likely caused by collusive behavior, at an estimate of 10.28%. *Id.* ¶¶ 190,
13 203–05.

14 To ensure the findings of Dr. Mangum’s analyses “are not overly sensitive to the
15 specific model [he] chose, [Dr. Mangum] subjected the base DPP Model to several
16 robustness tests by introducing changes to the model’s specifications.” *Id.* ¶ 191.
17 Dr. Mangum conducted robustness checks by estimating overcharges specific to each of
18 the Defendants, as well as separately based on fish type, package type, and for private label
19 products. *Id.* ¶¶ 191–202. According to Dr. Mangum, these robustness checks
20 “demonstrate the reliability and appropriateness of [his] Pooled DPP Model for estimating
21 damages to direct purchasers in this case.” *Id.* ¶ 202.

22 ii. Defendants’ Opposition

23 Defendants contend that Dr. Mangum’s model suffers from multiple deficiencies,
24 rendering the model—and thus the DPPs’ common evidence—incapable of proving
25 common impact to the Class. Defendants employed their own expert, Dr. John Johnson,
26 to analyze Dr. Mangum’s model. *See generally* DPP Opp’n. After reviewing
27 Dr. Mangum’s report, Dr. Johnson concludes that the methodology proposed by the DPPs

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1 is not capable of establishing that all, or nearly all, direct purchasers sustained impact.
2 Expert Report of Dr. John Johnson (“Johnson Report”) ¶¶ 1–4, ECF No. 1517-5.

3 Based on Dr. Johnson’s findings, Defendants specifically argue that:
4 (1) Dr. Mangum’s pooled regression model creates an average overcharge and thus
5 assumes, rather than proves, impact to the class; (2) the model returns false positives and
6 therefore is unreliable; and (3) the assumptions built into the model, including the selection
7 of benchmark, class, and downsize periods, as well as the cost data used, are incorrect and
8 bias the results of his model. DPP Opp’n at 16–30.

9 **Pooled Regression Model:** Defendants first contend that Dr. Mangum’s pooled
10 regression model is unreliable and not appropriate to use in this case because the single
11 average overcharge masks differences of actual impact across the Class members. DPP
12 Opp’n at 16–19. To highlight this alleged deficiency, Dr. Johnson applies his own method
13 that determines the overcharge co-efficient individually for each Class member. *See*
14 Johnson Report ¶¶ 41–45. Dr. Johnson uses the same variables and all of the 1.5 million
15 data observations that Dr. Mangum’s model includes but allows the overcharge coefficient
16 to vary for each Class member. *See id.* ¶ 43. When the overcharge is determined for each
17 individual DPP class member—604 in all—Dr. Johnson claims his model finds that only
18 72% of the DPPs show a positive, statistically significant impact. *Id.*

19 At first glance, this seems to be a major flaw with the DPP’s model. In the Ninth
20 Circuit, district courts must “ensure that the class is not ‘defined so broadly as to include a
21 great number of members who for some reason could not have been harmed by the
22 defendant’s allegedly unlawful conduct.’” *Torres v. Mercer Canyons Inc.*, 835 F.3d 1125,
23 1138 (9th Cir. 2016) (quoting 2 W. Rubenstein, *Newberg on Class Actions* § 2.3 (5th ed.
24 2012)). “[S]uch overinclusiveness” defeats class certification if “the uninjured parties
25 represent [more than] a *de minimis* portion of the class.” *In re Liboderm Antitrust Litig.*,
26 No. 14-md-0251-WHO, 2017 WL 679367, at *11 (N.D. Cal. Feb. 21, 2017); *see also In re*
27 *Asacol Antitrust Litig.*, 907 F.3d 42, 58 (1st Cir. 2018) (denying certification after finding
28 ///

1 10% of class members uninjured was not *de minimis*). A model unable to show impact to
2 over 28% of the class members would unquestionably surpass the *de minimis* standard.

3 In rebuttal, Dr. Mangum claims that Dr. Johnson’s model suffers from insufficient
4 sample sizes, rendering it unreliable. Reply Declaration of Dr. Russell Mangum
5 (“Mangum Reply”) ¶¶ 137–53, ECF No. 1707-1. According to Dr. Mangum, although
6 Dr. Johnson uses the same number of observations (over 1.5 million), because he allows
7 the overcharge coefficient to vary by customer, the sample size becomes too small for many
8 individual customers. Jan. 14 Hearing Tr., at 91. As Dr. Mangum explained at the hearing,
9 “[a]ll of those observations went into [Dr. Johnson’s] model” but, “since he required
10 different overcharge estimates for every class member, in those instances you don’t use all
11 1.5 million [observations].” *Id.* at 164. Instead, the model uses just the class
12 member-specific observations, leading to a “very small number of observations, sometimes
13 in the low single digits,” for each customer in the model. *Id.*

14 To highlight this sample size problem, Dr. Mangum recreated Dr. Johnson’s
15 regression model.⁷ The results show that the model is unable to create any result for 61
16 members of the proposed DPP Class,⁸ Mangum Reply ¶ 138, and that, of the remaining
17 DPP customers, only 442 in Dr. Johnson’s model had data sufficient to result in statistically
18 significant coefficients. *Id.* ¶ 149. Dr. Mangum notes that, looking at only the statistically
19 significant results, 98% of the DPPs showed positive overcharges. *Id.* And, looking at all
20 customers that produced any type of result in Dr. Johnson’s model—statistically significant
21 or not—94% had positive overcharges. *Id.* The 72% figure that Defendants point to is
22 found only if one looks at only the positive, statistically significant overcharges and divides

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25 ⁷ In his report, Dr. Johnson does not include the full results of his model run for each class member.

26 ⁸ “In a before and after dummy variable model, a customer must have (at least) one observation in the
27 ‘before’ sample and (at least) one observation in the ‘after’ period; if this condition is not true, then the
28 model cannot calculate an overcharge.” Mangum Report ¶ 138. The 61 customers only bought canned
tuna during the Class Period and, therefore, the model fails to compute results. *Id.*

1 them by all Class members, whether or not the model produced statistically significant
2 results—or, indeed, any result at all—for those Class members. *Id.*

3 Looking past the problem of small sample sizes, Defendants argue that the mere fact
4 that Dr. Johnson showed that the model is unable to produce results for 61 Class members
5 means that common issues do not predominate. Jan. 14 Hearing Tr., at 185–86. Without
6 the results of the regression model, Defendants state that the Class members without
7 sufficient data to produce results will have to prove their cases using evidence not common
8 to the Class. *Id.* But these Class members would still be able to point to the same
9 econometric model as it pertains to similarly situated Class members as proof. This, along
10 with the record evidence, guilty pleas, and market characteristics, shows that all Class
11 members will still use common evidence and that common questions will continue to
12 predominate over the case.

13 Next, the Court turns to the Chow Test, a topic discussed at length during the
14 hearing. Jan 14 Hearing Tr., at 41, 101–04, 142–48, 180–84, 188–90, 226. The Chow Test
15 is a “[s]tandard statistical test . . . applied to test the stability of coefficients among
16 subgroups of customers, products, time, geographies, or other subsamples . . . to determine
17 whether it is appropriate to pool potential subgroups when estimating the average effect of
18 the alleged conspiracy.” American Bar Association, *Econometrics: Legal, Practical, and*
19 *Technical Issues* 358 (2nd ed. 2014) (“*Econometrics*”).

20 According to Dr. Johnson, Dr. Mangum’s pooled model is inappropriate because it
21 fails the Chow Test in several ways. Johnson Report ¶¶ 43, 57, 81 & nn.72, 107, 112, 168.
22 Dr. Johnson states that the Chow Test rejects the hypothesis that a single model can be
23 applied to all Defendants because Defendants did not respond to the supply and demand
24 factors in similar ways. Johnson Report ¶ 57. Dr. Johnson also asserts that the test rejects
25 the assumption that the effects of the alleged conduct were the same across all direct
26 purchasers or direct purchasers categorized by customer type (i.e., retail). *Id.* ¶¶ 43, 57, 81
27 & nn.72, 107, 112, 168.

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1 Dr. Mangum disagrees with the conclusion that using a pooled model is
2 inappropriate based on the Chow Test results. Dr. Mangum asserts that Dr. Johnson’s
3 Chow Tests were “designed to fail” because of the large number of coefficients tested, as
4 well as the huge number of observations. Mangum Reply ¶¶ 71–87. Even more
5 importantly, in both his Reply Report and during the hearing, Dr. Mangum gave persuasive
6 reasons, grounded in economic theory, for why a pooled model is appropriate in this case.
7 The issue of whether pooling is appropriate is therefore a “genuine conflict between the
8 experts as to the proper approach” to the regression analysis and not a reason to reject
9 Dr. Mangum’s pooled model at the class certification stage. *See Vuyanich v. Republic Nat.*
10 *Bank of Dallas*, 505 F. Supp. 224, 314 (N.D. Tex. 1980), *vacated on other grounds*, 723
11 F.2d 1195 (5th Cir. 1984) (finding that the question of whether expert pooling data was
12 appropriate is not an issue for the court to decide where the plaintiff’s regression model
13 failed a Chow Test). Indeed, “[w]here there is a rational basis for aggregation, as there is
14 here, the Chow test is not a basis for categorically rejecting a model that does not meet its
15 requirements.” *Chen-Oster v. Goldman, Sachs & Co.*, 114 F. Supp. 3d 110, 122 (S.D.N.Y.
16 2015), *objections overruled*, 325 F.R.D. 55 (S.D.N.Y. 2018).⁹

17 The use of a single overcharge applied to all class members can be problematic in
18 some cases. *See, e.g., In re Plastic Additives Antitrust Litig.*, No. 03-CV-2038, 2010 WL
19 3431837 (E.D. Pa. Aug. 31, 2010). And when statistical tests are used to determine
20 whether such a regression is appropriate, failure of that test “should be taken seriously, and
21 the model should be rejected when it fails a test of a critical assumption, or it fails a large
22

23
24 ⁹ Multiple courts have addressed instances where a pooled regression model failed a Chow Test, yet still
25 accepted those models. *See, e.g., Chen-Oster*, 114 F. Supp. 3d at 122 (citing *Taylor v. D.C. Water &*
26 *Sewer Auth.*, 241 F.R.D. 33, 43 (D.D.C. 2007)); *Dukes v. Wal-Mart Stores, Inc.*, 222 F.R.D. 137, 157–58
27 (N.D. Cal. 2004), *aff’d*, 509 F.3d 1168 (9th Cir. 2007), *aff’d in part and remanded in part en banc*, 603
28 F.3d 571 (9th Cir. 2010), *rev’d on other grounds*, 564 U.S. 338 (2011); *Rossini v. Ogilvy & Mather, Inc.*,
615 F. Supp. 1520, 1522–23 (S.D.N.Y. 1985), *vacated and remanded on other grounds*, 798 F.2d 590 (2d
Cir. 1986); *Vuyanich*, 505 F. Supp. at 299, 314; *but see Reed Constr. Data, Inc. v. McGraw-Hill Cos.,*
Inc., 49 F. Supp. 3d 385, 405–07 (S.D.N.Y. 2014) (excluding expert report that aggregated data but failed
Chow test).

1 number of the specification tests to which it is subjected.” *Econometrics*, at 324. But
2 “virtually any regression model eventually will fail one or more tests if enough tests and
3 specifications are run, even if nothing is wrong with the model.” *Id.* The tests run by
4 Dr. Johnson, that purport to reject the DPPs’ model are ripe for use at trial but, at this stage,
5 are not fatal to a finding of class-wide impact.

6 **False Positives:** Defendants next argue that Dr. Mangum’s model is unreliable
7 because it fails to distinguish price effects resulting from the alleged anti-competitive
8 conduct from price effects resulting from unrelated, legal conduct. DPP Opp’n at
9 19–22. When Dr. Johnson applies the DPPs’ class-member regressions to the sales of
10 non-Defendant packaged tuna, the results show overcharges (i.e., false positives). *Id.* at
11 20–21. Dr. Johnson also contends that when he applies Dr. Mangum’s method to the
12 benchmark periods, it detects overcharges. *Id.* Defendants contend that these false
13 positives show that Dr. Mangum’s methodology is incapable of proving common impact
14 because it is unreliable. *Id.*

15 The DPPs provide two answers to these criticisms. First, the DPPs point to the
16 “umbrella theory,” DPP Reply at 13, which is a market phenomenon that occurs when
17 non-conspirators raise their prices in reaction to the above market prices of the cartel
18 precisely because of the protection of the price umbrella the cartel created. American Bar
19 Association, *Proving Antitrust Damages: Legal & Economic Issues* 246 (3d ed. 2017).
20 Based on this effect, the purported false positives are in fact “showing an overcharge where
21 the umbrella theory predicts there should be one.” DPP Reply at 13 (quoting Mangum
22 Report ¶ 70).

23 Second, Dr. Mangum argues that Dr. Johnson’s analysis on this point is plainly
24 incorrect. While Dr. Johnson claims that when the DPPs’ model is applied to individual
25 DPPs’ (specifically Sysco, U.S. Foods, and Pitco) purchases of non-Defendant tuna, the
26 model still shows overcharges, DPP Opp’n at 20–21, Dr. Mangum argues that Dr. Johnson
27 is mistaken because a large amount of the tuna purchased by Sysco and U.S. Foods that
28 Dr. Johnson claims is non-Defendant tuna is in fact produced by Defendants. DPP Reply

1 at 13. As for the Pitco purchases, Dr. Mangum claims this is just another instance of the
2 “umbrella theory” at work. *Id.*

3 In support of their argument, Defendants cite to *In re Rail Freight Fuel Surcharge*
4 *Antitrust Litig.*, 725 F.3d 244 for the proposition that false positives are fatal to a proposed
5 methodology. The Court is not persuaded. In *Rail Freight*, railway freight customers
6 brought an antitrust class action against four major rail freight shippers who allegedly had
7 conspired to add a fuel surcharge. *Id.* at 247. Similar to here, the plaintiffs in *Rail Freight*
8 provided a regression model seeking to demonstrate that the class could prove common
9 injury through common proof. *Id.* at 250. The model turned out to be flawed, however,
10 because it would have ascribed an injury to even those plaintiffs who had negotiated with
11 the defendants “legacy” contracts, which were entered into before the alleged conspiracy
12 period began and “guarant[eed] they would be subject to fuel surcharge formulae that
13 predated the later charges.” *Id.* at 248, 252–53. The D.C. Circuit vacated the certification
14 of the class, finding that there was no explanation grounded in economic theory for why
15 the model would find overcharges for those legacy contracts. *Id.* at 255.

16 Here, in contrast, there are no glaringly erroneous results that would render the
17 model unreliable. While Defendants point to possible false positives, Dr. Mangum
18 explains those results using sound econometric principles that are not obviously contrary
19 to the theory of the case. Thus, Defendants have not shown that the purported false
20 positives undermine the model’s finding of class-wide impact.

21 **Selection of Time Periods:** Defendants level several attacks on Dr. Mangum’s
22 selection of class, benchmark, and downsize periods. DPP Opp’n at 7. First, Defendants
23 claim that Dr. Mangum’s model is unreliable because the time periods used do not match
24 the Class Period alleged in the DPPs’ original complaint. *Id.* at 23. According to
25 Defendants, the reason the DPPs narrowed the class period from the original complaint
26 was solely to engineer an overcharge finding. *Id.* at 23. Had the DPPs run the model using
27 the original class period, the result would have been a negative overcharge for the class.
28 *Id.* (citing Johnson Report ¶ 47 n.80).

1 According to the reports and testimony, the narrowing of the class period is based
2 on Dr. Mangum’s analysis of the record evidence in the case. Rather than being troubled
3 by the narrowing of the class after consulting with their expert, the Court sees this as
4 bolstering the reliability of the model. Dr. Mangum reviewed the evidence and consulted
5 with counsel, leading the DPPs’ counsel to determine that the period alleged in the Motion
6 is appropriate. More importantly, the changes are “minor, require no additional discovery,
7 and cause no prejudice to [D]efendants.” *In re: TFT-LCD (Flat Panel) Antitrust Litig.*,
8 267 F.R.D. 583, 591 (N.D. Cal. 2010).

9 During the hearing, counsel for Defendants asked a series of questions attacking the
10 appropriateness of using a benchmark period during which alleged anti-competitive
11 activity occurred. *See* Jan. 14 Hearing Tr., at 106–28. Defendants ask this Court to find
12 the model unreliable because the DPPs previously alleged that anti-competitive conduct
13 had occurred during the benchmark period. The Court cannot agree. If a benchmark is not
14 reliable simply because a plaintiff previously alleged antitrust activity during that time—
15 before discovery, expert findings, DOJ investigations, or a defendants’ own denials—this
16 would lead to plaintiffs having to prove their claims to a level of unattainable certainty
17 before they even file a complaint.

18 Moreover, Defendants have denied the conspiracy even took place during this time
19 period. Yet, during the hearing, Defendants faulted the DPPs for not proving the
20 conspiracy *did not* take place during the benchmark period. Defendants are asking the
21 DPPs to prove a negative, which is not their burden. And even if the Court were to
22 “assum[e] that the benchmark period was not perfectly competitive, [Dr. Mangum’s]
23 damages calculation actually becomes a more conservative estimate. That is, if there was
24 in fact collusion during the benchmark period, [Dr. Mangum’s] but-for price estimate
25 would be too high, causing his estimate of the overcharge (the difference between actual
26 prices and but-for prices) to be too low.” *In re Linerboard Antitrust Litig.*, 497 F. Supp.
27 2d 666, 675 (E.D. Penn. 2007).

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1 Next, Defendants argue that using an indicator variable for the 2008 to 2010 can
2 resize period—which removes it from consideration as a benchmark period—has no viable
3 explanation grounded in economic theory.¹⁰ DPP Opp’n at 24–25. Rather than sound
4 statistical practice, Defendants claim that Dr. Mangum added the variable to gerrymander
5 the data to increase the finding of impact. *Id.* Dr. Mangum, however, did in fact give
6 specific reasons for the use of an indicator variable, including his findings that the downsize
7 period created a shock to the market that rendered it inappropriate to use as benchmark
8 data. Mangum Reply ¶¶ 25–36. Defendants make no attempt to rebut these findings.
9 Indeed, during the hearing, Defendants seemed to abandon this line of argument altogether.
10 When pushed about the soundness of Dr. Mangum’s model in this respect, Dr. Johnson
11 conceded that he made no findings and did not take a position as to the soundness of using
12 a variable for the 2008 to 2010 resize period. Jan. 14 Hearing Tr., at 212–13. In sum,
13 nothing regarding the selection of time periods leads the Court to conclude the model is
14 unreliable.

15 **Cost Data:** Finally, Defendants dispute the reliability of Dr. Mangum’s model
16 because he uses a cost index, rather than the actual accounting cost data supplied by
17 Defendants, to build his model. DPP Opp’n at 25. According to Defendants, using the
18 cost index wrongly assumes that “all three Defendants’ prices responded to changes in
19 supply factors in the same way” and that “actual costs for fish, labor, and other inputs were
20 ‘common across [all three Defendants]’ and over the 15-year period from 2002 to 2016.”
21 *Id.* (citations omitted). Dr. Johnson argues that the more appropriate method would be to

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25 ¹⁰ Defendants repeatedly state that Dr. Mangum *excluded* the can resize period altogether from his
26 regression model. Dr. Mangum takes issue with this characterization and denies he excluded any data at
27 all. *See* Mangum Reply at 15 n.18. Instead, he states that he added an indicator variable to the period,
28 which still accounts for the data but does not treat the period as benchmark data. *Id.* Thus, this is not a
case in which an expert excluded critical data wholesale. *Cf. In re Live Concert Antitrust Litig.*, 863 F.
Supp. 2d at 974 (striking expert testimony that left out a years’ worth of data completely from the
regression model).

1 use Defendants’ actual cost data because this would allow the model to take into account
2 differences in Defendants’ costs structures. Johnson Report ¶¶ 64–74.

3 Dr. Mangum responds to these criticisms in two ways. First, he notes that his
4 robustness testing for individual Defendants allows for unique cost structures and that the
5 results of those tests confirm that the cost structures he used are appropriate. Mangum
6 Reply ¶ 101. Second, Dr. Mangum notes that the accounting costs come from Defendants’
7 sales databases, which include overhead and fixed costs in the “cost of goods sold”
8 calculation. *Id.* at ¶ 104. Including overhead and fixed costs in the calculation can skew
9 the data and distort the regressions’ results. *Id.* For this reason, using accounting costs is
10 problematic because it is potentially endogenous to the dependent variable (in this case the
11 price), *id.* ¶ 105, and may also be endogenous to the effects of the conspiracy itself, *id.* at
12 ¶ 106. Dr. Mangum claims that his cost indices do not suffer from these potential pitfalls
13 and do a better job of determining the ultimate goal of the regression model—to determine
14 competitive market prices that are based on market supply and demand conditions, not
15 prices based on Defendant’s “idiosyncratic accounting costs.” DPP Reply at 16 (citing
16 Mangum Reply ¶¶ 93–120).

17 In *Korean Ramen*, the district court addressed a similar argument leveled against
18 Dr. Mangum, who also served as an expert in that case. 2017 WL 235052, at *13. There,
19 the court found that “Defendants’ criticisms as to Mangum’s costs, and the role they play
20 in setting his but-for price, rest primarily on disputes of fact and the reasonableness of
21 assumptions made by the experts on both sides. There is nothing in Mangum’s approach
22 that fatally undermines the reliability of his methodology or model such that Mangum’s
23 opinion should be excluded under *Daubert* or his determination of classwide impact
24 significantly discounted.” *Id.* Here, the Court agrees with this sound holding and finds
25 that Dr. Mangum’s use of costs in this case is reasonable.

26 iii. Impact Conclusion

27 Defendant’s criticisms are serious and could be persuasive to a finder of fact. But
28 determining which expert is correct is beyond the scope of this Motion. To determine

1 whether class certification is appropriate, “the Court is only concerned with whether the
2 method itself is *capable* of showing [impact] to all, or nearly all of the Class members—
3 not that it does in fact show that the injury occurred.” *Optical Disk*, 2016 WL 467444,
4 at *11.

5 While Defendants’ arguments are “characterized as a dispute over the very
6 feasibility of [P]laintiffs’ analysis,” the Court believes that Defendants “are actually
7 arguing that [P]laintiffs’ multiple regression analysis, done a slightly different way (i.e.,
8 the ‘right’ or ‘better’ way), does not prove what they claim it proves.” *See In re Ethylene*
9 *Propylene Diene Monomer Antitrust Litig.*, 256 F.R.D. 82, 100 (D. Conn. 2009). “In
10 essence, the defendants are asking the court to determine which multiple regression model
11 is most accurate, which is ultimately a merits decision” and does not defeat predominance.
12 *Id.* The “crucial point is that whether the [DPPs’] theory is right or wrong, it is something
13 that can be decided on a class-wide basis.” *Optical Disk*, 2016 WL 467444, at *11.

14 Ultimately, Defendants have not persuaded the Court that Dr. Mangum’s model is
15 unreliable or incapable of proving impact on a class-wide basis. The evidence put forward
16 by the DPPs, including Dr. Mangum’s regression model, supplemented by the correlation
17 tests, the record evidence, and the guilty pleas and admissions entered in this case, is
18 sufficient to show common questions predominate as to common impact. The DPPs have
19 therefore met their burden.

20 c. Damages

21 To show that common questions regarding damages predominate, Plaintiffs must
22 demonstrate the calculations proposed to determine damages use common evidence. *See*
23 *Meijer, Inc. v. Abbot Labs*, No. C 07-5985 CW, 2008 WL 4065839, at *7 (N.D. Cal. Aug.
24 27, 2008). Dr. Mangum proposes using the “overcharge derived from the pooled DPP
25 model . . . to estimate Class-wide damages.” Mangum Report ¶ 206. Defendants raise no
26 arguments not already raised with regard to the reliability of Dr. Mangum’s pooled DPP
27 model. Having found the model reliable for purposes of this Motion, the Court finds that
28 this methodology also satisfies Rule 23(b) for damages.

1 2. *Superiority*

2 The final requirement for class certification is “that a class action [be] superior to
3 other available methods for fairly and efficiently adjudicating the controversy.” Fed R.
4 Civ. P. 23(b)(3). “In determining superiority, courts must consider the four factors of Rule
5 23(b)(3).” *Zinser v. Accufix Research Inst., Inc.*, 253 F.3d 1180, 1190 (9th Cir. 2001). The
6 Rule 23(b)(3) factors are:

7 (A) the class members’ interests in individually controlling the
8 prosecution or defense of separate actions; (B) the extent and
9 nature of any litigation concerning the controversy already begun
10 by or against class members; (C) the desirability or undesirability
11 of concentrating the litigation of the claims in the particular
12 forum; and (D) the likely difficulties in managing a class action.

12 Fed. R. Civ. P. 23(b)(3). The superiority inquiry focuses “on the efficiency and economy
13 elements of the class action so that cases allowed under [Rule 23(b)(3)] are those that can
14 be adjudicated most profitably on a representative basis.” *Zinser*, 253 F.3d at 1190, *as*
15 *amended on denial of reh’g*, 273 F.3d 1266 (9th Cir. 2001) (internal quotation marks
16 omitted). A district court has “broad discretion” in determining whether class treatment is
17 superior. *Kamm v. Cal. City Dev. Co.*, 509 F.2d 205, 210 (9th Cir. 1975).

18 The DPPs maintain that class treatment is superior in this antitrust case because
19 common issues predominate and the factors weigh in favor of class treatment.¹¹ The Court
20 agrees. Any trial—whether it involves a single plaintiff or a class—will involve the same
21 legal questions and evidence regarding Defendants’ conduct. Thus, the superiority
22 requirement is met.

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27 ¹¹ Defendants raised a concern with superiority during the hearing, arguing for the first time in the last
28 minutes of the hearing that because the largest DAPs have indicated they will opt out of the DPP class,
the class vehicle is not superior to individual litigation. Defendants did not brief this issue but, in any
event, the Court is not convinced that this issue would change the Court’s decision on superiority.

1 **C. Conclusion**

2 In conclusion, the Court determines that the DPPs have met the Rule 23(a) and Rule
3 23(b) requirements, showing that a class action is superior to individual proceedings for
4 the most prevalent questions of conspiracy, impact, and the fact of damages. The Court
5 therefore **GRANTS** the DPPs’ Motion for Class Certification.

6 * * *

7 **II. The CFPs’ Motion for Class Certification**

8 The CFPs request the Court certify under California’s Cartwright Act, Cal. Bus. &
9 Prof. Code §§ 16700 *et seq.*, the following proposed class:

10 Commercial Food Service Product Class: All persons and
11 entities in 27 named states and D.C.,¹² that indirectly purchased
12 packaged tuna products produced in packages of 40 ounces or
13 more that were manufactured by any Defendant (or any current
14 or former subsidiary or any affiliate thereof) and that were
15 purchased directly from DOT Foods, Sysco, US Foods, Sam’s
16 Club, Wal-Mart, or Costco¹³ (other than inter-company
purchases among these distributors) from June, 2011 through
December, 2016.¹⁴

17 Defendants’ opposition focuses on two Rule 23 prerequisites: (1) the adequacy of
18 the CFPs’ named representatives under Rule 23(a)(4), and (2) whether common questions
19 predominate under Rule 23(b)(3).

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23 ¹² The 27 states included in the class are: Arizona, Arkansas, California, Florida, Iowa, Kansas, Maine,
24 Massachusetts, Michigan, Minnesota, Mississippi, Nebraska, Nevada, New Hampshire, New Mexico,
25 New York, North Carolina, North Dakota, Oregon, Rhode Island, South Carolina, South Dakota,
Tennessee, Utah, Vermont, West Virginia, and Wisconsin.

26 ¹³ The Court refers to these six intermediaries collectively as the “Class distributors.”

27 ¹⁴ In the alternative, the CFPs seek certification of a class of purchasers from 10 states and the District of
28 Columbia under the antitrust and consumer protection statutes of the states in which the named Plaintiffs
made their purchases. Because the Court certifies the CFPs’ preferred class, the Court will not address
the merits of this alternative class.

1 A. ***Rule 23(a) Requirements***

2 1. *Numerosity, Commonality, and Typicality*

3 Defendants do not dispute that the CFP Class meets the numerosity, commonality,
4 and typicality requirements under Rule 23(a). *See generally* CFP Opp’n. The CFPs
5 contend that the numerosity requirement is met because “the proposed class includes
6 thousands of members.” *See* CFP Mot. at 19. The CFPs also contend that there exist
7 several common questions as to the CFPs’ claims, including whether Defendants fixed
8 prices, whether Defendants’ conduct violated the law, and whether Defendants’ conduct
9 inflated prices above competitive levels, thus satisfying commonality. *See id.* at 19–20.
10 And the named the CFP representatives assert that their claims, like those of the Class
11 members, arise from Defendants’ alleged price fixing, *see id.* at 20–21; Defendants do not
12 contest these claims are not typical of the class and the Court finds no evidence to find
13 otherwise. The Court therefore finds the CFPs’ arguments persuasive and concludes the
14 numerosity, commonality, and typicality requirements under Rule 23(a) are satisfied.

15 2. *Adequacy*

16 Defendants do dispute whether the CFP Representatives meet the adequacy
17 requirement under the Rule 23(a)(4). Rule 23(a)(4) requires that “the representative parties
18 will fairly and adequately protect the interests of the class.” As stated above, the adequacy
19 inquiry turns on (1) whether the “named plaintiffs and their counsel have any conflicts of
20 interest with other class members,” and (2) whether “the named plaintiffs and their counsel
21 [will] prosecute the action vigorously on behalf of the class.” *Hanlon*, 150 F.3d at 1020.
22 The adequate representation factors depend on “an absence of antagonism between
23 representatives and absentees, and a sharing of interest between representatives and
24 absentees.” *Ellis*, 657 F.3d at 980 (citing *Molski*, 318 F.3d at 955, *overruled on other*
25 *grounds by Dukes*, 603 F.3d at 617).

26 When considering whether class representatives will vigorously prosecute the
27 action, courts have refused class certification when the class representatives fail to show
28 enough “knowledge of and involvement in the class action that they would be []able and

1 []willing to protect the interest of the class against the possibly competing interest of the
2 attorneys.” *See Pryor v. Aerotek, LLC*, 278 F.R.D. 516, 529–30 (C.D. Cal. 2011). Lack
3 of sophistication, however, is not a basis on which a court should deny class certification.
4 *See Surowitz v. Hilton Hotels Corp.*, 383 U.S. 363, 376 (1966) (affirming class certification
5 where the named plaintiff knew nothing about the content of the suit but knew she was not
6 getting her stock dividends). “To be sure, the requirement is modest. . . . But the standard
7 is not so low as to be meaningless.” *In re Monster Worldwide, Inc. Sec. Litig.*, 251 F.R.D.
8 132, 135 (S.D.N.Y. July 14, 2008) (citing *Baffa v. Donaldson, Lufkin & Jenrette Sec.*
9 *Corp.*, 222 F.3d 52, 61 (2d Cir.2000)) (internal quotation marks omitted).

10 Defendants argue that the CFP Class Representatives have not shown that they will
11 vigorously prosecute the action. CFP Opp’n at 41–42. Defendants base this argument on
12 their allegations that the CFP Representatives have exhibited little to no knowledge of the
13 claims asserted or the procedural history of the action. *Id.* Evidence of this includes
14 deposition transcripts that show the CFP Representatives had not read the initial complaint
15 before it was filed or any filings since the initial complaint, were not aware that the motion
16 for class certification alleges a narrower time period than the initial complaint,
17 and have not tracked developments in the case or been involved in any material litigation
18 decisions. *Id.* at 41.

19 After an examination of the evidence presented, the Court concludes that each
20 Representative understands the general nature of the claims and their general
21 responsibilities as a class representative. This sort of general understanding “is sufficient
22 for purposes of adequacy, . . . particularly in a legally complex case such as this one.” *See*
23 *In re Northrup Gruman Corp. ERISA Litig.*, No. 06-CV-6213, 2011 WL 3505264, at *14
24 (C.D. Cal. Mar. 29, 2011) (collecting cases finding general knowledge suffices to show
25 adequacy). While Defendants ask the Court to require more, detailed “knowledge of all
26 the intricacies of the litigation is not required” to meet the adequacy requirement. *See* 7A
27 Wright, Miller & Kane, *Federal Practice and Procedure*, § 1766 at 367. In addition to
28 maintaining a general knowledge of the claims, the CFP Representatives also have actively

1 participated in discovery and sat for depositions. *See* CFP Mot. at 22. The Court therefore
2 concludes that the CFP Representatives’ knowledge of the claims and participation in this
3 case “comports with what courts expect of class representatives.” *See Northrup Gruman*
4 *Corp.*, 2011 WL 3505264, at *15.

5 Defendants also specifically dispute named Plaintiff Thyme Market and Café’s
6 adequacy as a representative because its Rule 30(b)(6) deponent learned of the litigation
7 from her cousin. CFP Opp’n at 43 (citing Maire Byrne Dep., Ex. J, Tr., 174:21–175:22).
8 Defendants contend that this close, familial relationship creates a conflict that is sufficient
9 to undercut the Representative’s adequacy. *Id.* The Court disagrees. While a lead
10 plaintiffs’ selection of a family member as counsel is an indicator of the “plaintiffs’ fitness”
11 as a representative, it is a “relatively weak one” and does not by itself “support a finding
12 that the presumptive lead plaintiff is inadequate to serve in that position.” *In re Cavanaugh*,
13 306 F. 3d 726, 733 (9th Cir. 2002). The family relationship in this case is not one the Court
14 finds disqualifying. The attorney-cousin is not serving as Class counsel and has no
15 financial interest in the case. *See* CFP Reply at 44. And while the attorney-cousin did
16 appear at a deposition, she did not do so on behalf of the CFP Class. *See id.*

17 The Court therefore concludes that (1) no conflicts have arisen, or are likely to arise,
18 between the CFPs and proposed counsel and the Class; and (2) the CFPs and proposed
19 counsel will prosecute this action vigorously. Accordingly, the CFPs satisfy the adequate
20 representation requirement of Rule 23(a)(4).

21 ***B. Rule 23(b)(3) Requirements***

22 *1. Predominance*

23 As with the DPPs’ Motion, Defendants have focused the lion’s share of their
24 arguments on whether the CFPs meet the Rule 23(b)(3) predominance requirement. The
25 Court considers the predominance question for each of the elements necessary for an
26 antitrust claim in turn while maintaining a view of the case as a whole.

27 ///

28 ///

1 a. Violation of Antitrust Laws

2 The CFPs argue that the adjudication of Defendants’ violation will turn on legal and
3 factual issues common to the entire class. These common factual issues include the
4 multiple guilty pleas, documents, testimony, and various forms of economic analysis. *See*
5 CFP Mot. at 30; *see also* Expert Report of Michael A. Williams, Ph.D (“Williams Report”)
6 ¶¶ 16–20, ECF No. 1141-1.

7 In an effort to prove there was a violation, the CFPs’ expert economist, Dr. Michael
8 A. Williams, sought to determine in his report whether “there exist[] well-accepted
9 economic methodologies and other common evidence from which a fact-finder could
10 determine the existence of an agreement among Defendants to fix prices for large-sized . . .
11 packaged tuna products.” Williams Report ¶ 6. In making this determination, Dr. Williams
12 points to several industry characteristics that are indicative of an antitrust violation, such
13 as high seller concentration, *id.* ¶¶ 21–23, a commodity-like product, *id.* ¶¶ 24–25,
14 substantial antitrust barriers to entry, *id.* ¶¶ 26–28, and stable or declining demand. *Id.*
15 ¶¶ 29–31.

16 According to Dr. Williams, economic evidence also shows that Defendants engaged
17 in actions contrary to their independent self-interest and that those actions would be
18 unlikely but for the existence of an antitrust agreement. *Id.* ¶¶ 32–49. Further, evidence
19 that Defendants communicated with one another, monitored one another, and shared
20 information with one another, as well as patterns of simultaneous and nearly identical price
21 increase announcements, is all indicative of an antitrust violation. *Id.* This evidence would
22 be common for each of the Class members and, thus, the Court finds that common
23 questions will predominate with respect to the violation of antitrust laws element.

24 b. Impact

25 Because the CFPs proposed class consists of indirect purchasers, their burden to
26 prove class-wide impact is two-fold. “Not only must they show that all or nearly all of the
27 original direct purchasers [] bought at inflated prices, they must also show those
28 overcharges were passed through all stages of the distribution chain.” *Optical Disk*, 2016

1 WL 467444, at *4 (citing *GPU*, 253 F.R.D. at 499). To meet this burden, the CFPs turn to
2 their expert, Dr. Williams. Like Dr. Mangum, Dr. Williams uses multiple forms of
3 evidence, including factual findings about the canned tuna market and evidence from the
4 record. And as with the DPPs’ Motion, the issue most in contention here is Dr. Williams’
5 use of regression models, which he puts forth as a viable methodology to prove that all, or
6 nearly all, of the CFP Class members suffered harm because of the alleged price fixing
7 conspiracy. The Court will summarize Dr. Williams’ report and then turn to Defendants’
8 arguments for why they believe his methodology fails.

9 i. Dr. Williams’ Impact Analysis

10 Dr. Williams’ assignment regarding antitrust impact was to determine: (1) “whether
11 well-accepted econometric methodologies using common evidence demonstrate that the
12 anti-competitive effects of the alleged agreement were widespread across members of the
13 proposed [CFP] class, causing harm to virtually all of Class members,” Williams Report
14 ¶ 6, and (2) whether these methodologies and evidence “can be used to reliably quantify
15 class-wide damages.” *Id.*

16 To complete this assignment, Dr. Williams conducted a two-step methodology.
17 “First, [he] determine[d] whether common evidence and analyses c[ould] be used to
18 determine whether the agreement generally inflated prices to the Class above competitive
19 levels.” *Id.* ¶ 53. To complete this step, Dr. Williams used data sets produced by Bumble
20 Bee, COSI, StarKist/Del Monte, Costco, Dot Foods, Sam’s Club, Sysco, US Foods, and
21 Walmart, *id.* ¶¶ 56–65, to determine whether Defendants’ alleged illegal conduct elevated
22 the prices paid by the direct purchaser distributors (“overcharge estimation”), *id.* ¶ 54, and,
23 if so, whether these distributors passed Defendants’ price increases through to the proposed
24 Class members (“pass-through estimation”). *Id.*

25 For the overcharge estimation, Dr. Williams used a “widely accepted dummy
26 variable regression methodology.” Williams Report ¶ 66. The basic approach of this
27 methodology is the same as the one used by Dr. Mangum: Prices during the period of
28 alleged anti-competitive activity are compared to prices either before or after the alleged

1 impacted period, while controlling for other factors that affect price differences. *Id.* ¶ 70.
 2 Like Dr. Mangum, Dr. Williams treats two time periods differently from the benchmark
 3 periods because of alleged anti-competitive conduct. The benchmark, class, and
 4 contaminated periods are as follows:

| 5 Period of Time | 6 Treatment in the Model | StarKist | Chicken of the Sea | Bumble Bee |
|-------------------------|---------------------------------|-------------------|---------------------------|-------------------|
| 7 Early Examined | Benchmark | 01/2002 – 06/2008 | 01/2001 – 08/2008 | 01/2002 – 09/2010 |
| 8 Contaminated | Indicator Variable | 07/2008 – 12/2010 | 09/2008 – 12/2010 | 10/2008 – 12/2010 |
| 9 Middle Competitive | Benchmark | 01/2011 – 05/2011 | 01/2011 – 05/2011 | 01/2011 – 05/2011 |
| 10 Class Period | Class | 06/2011 – 12/2016 | 06/2011 – 12/2016 | 06/2011 – 12/2016 |
| 11 Post Damages | Indicator Variable | 01/2017 – present | 01/2017 – present | 01/2017 – present |

12 *Id.*

13
 14 Dr. Williams quantifies the impact on the CFPs by comparing the actual prices
 15 during the class-period to estimated but for prices during that same period. *Id.* ¶¶ 66, 68.
 16 To control for changes attributable to factors other than anti-competitive behavior,
 17 Dr. Williams uses several control variables. *Id.* ¶ 73. These include cost, demand,
 18 customer, package, product-state, and seasonal fixed effects variables. *Id.* ¶¶ 74–76.
 19 Dr. Williams ultimately concludes that COSI, StarKist, and Bumble Bee overcharged the
 20 Class distributors by 16.6%, 18.2%, and 15.3%, respectively. *Id.* ¶ 78, Table 3.

21 Next, Dr. Williams calculated the pass-through estimation. The pass-through
 22 estimation is a regression used to calculate whether and how much of the overcharges the
 23 Class distributors passed on to the Class members. *Id.* ¶ 79. In other words, when
 24 Defendants raised the wholesale price paid by the Class distributors, did the Class
 25 distributors then pass through some or all of the overcharges? And if yes, how much of
 26 the overcharges did they pass through? The pass-through rates calculated reflect the
 27 answers to these questions—for example, if Defendants raised their wholesale price by one
 28 dollar, and a distributor then raised its price by 92 cents, the pass-through rate would be 92

1 percent. *See* Jan. 16, 2019 Hearing Tr., at 486:24–487:2, ECF No. 1803. To calculate the
2 pass-through estimation, Dr. Williams used multivariate-regression models, which are
3 similar to the regression model used to calculate the overcharge estimation. *Id.* ¶ 79.
4 Dr. Williams concluded that that the Class distributors passed through the overcharges at
5 rates ranging from 92% to 113%. *Id.* ¶ 81, Table 4.

6 For the second step of his impact methodology, Dr. Williams attempted to answer
7 whether “common evidence and analyses can be used to determine whether any such
8 general price inflation caus[ed] all[,] or virtually all[,] of [the CFPs] to pay more for at least
9 one purchase of large sized packaged tuna than they would have paid without the
10 agreement.” *Id.* ¶ 53. Dr. Williams conducted two independent analyses in this endeavor:
11 (1) various modified regressions coupled with market evidence, *id.* ¶¶ 83–89; and (2) Class
12 member-specific overcharge regressions, *id.* ¶¶ 99–108.

13 For Dr. Williams’ first analysis, he started with the same regression model used to
14 detect overcharges but modified the model to analyze class-wide impact on Class members
15 empirically. *Id.* ¶ 86. The regressions were varied to compute overcharges by product, by
16 large distributor, by state, by combinations of individual Defendants and individual Class
17 distributors, and for each Class distributor by product or by state. *Id.* ¶¶ 86–87. Using
18 these varied regressions, Dr. Williams found that Class members experienced overcharges
19 at rates ranging from 95.7% to 100%. *Id.*, Figure 2, Figure 3.

20 Under this first analysis, Dr. Williams also looked to evidence concerning the canned
21 tuna market generally. First, Dr. Williams found the combination of economically and
22 statistically significant overcharges, as well as high and statistically significant
23 pass-through rates, supported the finding of class-wide impact. *Id.* ¶ 84. According to
24 Dr. Williams, the fact that the product is not altered in any way throughout the distribution
25 chain supports a presumption of class-wide impact. *Id.* ¶ 89 & n.85 (citing *B.W.I. Custom*
26 *Kitchen v. Owens-Illinois, Inc.*, 191 Cal. App. 3d 1341, 1352–53 (1987)). Next,
27 Dr. Williams noted that the Class distributors operate in a competitive industry and that
28 basic economic theory demonstrates that the more competitive an industry is, the higher

1 the pass-through rate becomes. *Id.* ¶ 91. Finally, Dr. Williams found the fact that Costco,
2 Sam’s Club, and Walmart generally do not charge individualized prices to different
3 customers to be significant evidence that supports a showing that the Class members
4 incurred overcharges. *Id.* ¶ 98. The combination of these general market factors in addition
5 to the results of the varied regression models led Dr. Williams to conclude that all, or nearly
6 all, of the CFPs were impacted by the anti-competitive conduct.

7 The second analysis Dr. Williams conducted to show class-wide impact consists of
8 Class member specific regressions. *Id.* ¶¶ 99–108. Dr. Williams adapted his base
9 overcharge regression model to evaluate overcharges for each proposed Class member as
10 a further test to determine whether all, or nearly all, of the Class members suffered impact.
11 *Id.* ¶ 99. These regressions only use data from two of the Class distributors: US Foods and
12 Sysco.¹⁵ *Id.* Using this method, Dr. Williams concluded that, based on the Sysco and US
13 Foods data, 99.3% and 99.5% of customers experienced overcharges, respectively.
14 *Id.* ¶¶ 101–02. Dr. Williams next determined that those percentages would likely hold for
15 the remaining Class distributors, Walmart, Sam’s Club, Costco, and Dot Foods. *Id.*
16 ¶¶ 104–08.

17 ii. Defendants’ Opposition

18 Defendants employed their own expert, Dr. Laila Haider, to analyze Dr. Williams’
19 report. Dr. Haider concludes that the methodology proposed by Dr. Williams is not capable
20 of establishing that all, or nearly all, indirect purchasers sustained impact. Expert Report
21 of Dr. Laila Haider (“CFP Haider Report”) ¶ 9, ECF No. 1409-3. The deficiencies of the
22 methodologies, Defendants argue, show that common issues do not predominate and are
23 thus fatal to the CFPs’ Motion for Class Certification.

24 Many of Defendants’ arguments for why the CFPs’ methodology fails are the same
25 as those raised in opposition to the DPPs’ methodology. These include objections to the
26

27 ¹⁵ Dr. Williams did not use data from Walmart, Sam’s Club, or Costco because the data does not contain
28 customer information. *Id.* n.97. The Dot Foods sales data was not used because it started in January
2012—after the beginning of the damages period. *Id.*

1 selection of the benchmark and contaminated periods for the overcharge model, CFP Opp’n
2 at 15–21; Dr. Williams’ use of average overcharges, *id.* at 24–26; and false positives. *Id.*
3 at 26–27. While subtle differences exist, the same reasoning for why the Court rejected
4 those arguments above applies with equal force here. Defendants also raise several new
5 arguments with regard to the CFPs’ Motion, which the Court addresses below.

6 **Distributor Class Members:** Defendants argue that the CFPs’ class definition
7 includes distributors who “presumably resold tuna and thus would have passed on some or
8 all of the alleged overcharges to downstream customers.” *Id.* at 22. This fact creates
9 problems for the CFPs’ ability to prove common impact, according to Defendants, because
10 “to the extent that a distributor-class member passed on some or all of the overcharge, the
11 impact of any overcharges to that class member would be very different to one that did not
12 pass on any overcharge.” *Id.* at 23.

13 Defendants state that the prominent example of this is the Class distributor Dot
14 Foods. *Id.* at 22–23. Despite being a distributor in the Class definition, Defendants state
15 that Dot Foods does not actually sell directly to commercial food preparers. *Id.* Instead, it
16 buys products directly from food manufacturers; consolidates the products into truck-sized
17 shipments; and then resells the products to smaller, regional distributors. *Id.* at 23. Dot
18 Foods’ customers—who are Class members—then resell the product and thus pass on the
19 overcharges they incurred. *Id.* This fact may require the Court to “scrutinize each
20 transaction” to determine whether or not the distributors passed on the overcharge;
21 Defendants argue this leads to individual issues predominating. *Id.*

22 The Court does not find persuasive Defendants’ arguments that the pass-on issue
23 leads to individual issues predominating. While the inclusion of the small distributors in
24 the Class may ultimately require the Court to assess whether or not those Class members
25 passed on the overcharges down the distribution chain, Defendants have not shown that
26 these calculations will overwhelm the common issues and force the court to undertake a
27 similar “retailer-by-retailer, manufacturer-by-manufacturer and product-by-product
28 analysis of pass-through,” *GPU*, 253 F.R.D. at 505, that other courts have rejected as

1 problematic. *See, e.g., In re Flash Memory Antitrust Litig.*, No. 07-CV-86-SBA, 2010 WL
2 2332081, at *12 (N.D. Cal. June 9, 2010). The distribution chain and product involved in
3 this case is not complicated and the amount of potential sales passed through is relatively
4 manageable. This issue therefore does not raise any concerns for the Court that the CFPs
5 will be unable to establish antitrust impact on a “common, formulaic basis.” *See id.* at *13.

6 **Non-Defendant Tuna:** Defendants next argue that Dr. Williams’ model is
7 unreliable because it fails to account for substantial amounts of food service size packaged
8 tuna manufactured by non-Defendant suppliers during the proposed class period. CFP
9 Opp’n at 27–28. In his report, Dr. Williams concluded “the U.S. packaged tuna industry
10 was highly concentrated during the alleged damages period” based on his estimate that
11 Defendants’ share of the in the packaged seafood industry exceeded 80 percent. Williams
12 Report ¶¶ 22–23. But according to Dr. Haider, this estimate includes both consumer and
13 food service sized packaged tuna. CFP Haider Report ¶ 34. By conflating the two sizes in
14 his analysis, Dr. Williams fails to account for non-Defendant packaged tuna bought by the
15 six distributors. CFP Opp’n at 28. The presence of non-Defendant tuna in the market is
16 significant because the Class members may have been able to negotiate away price
17 increases and avoid overcharges and thus not sustain impact from the alleged conduct. CFP
18 Haider Report ¶ 30, 33, 36, 39. Overlooking these important “economic facts that are
19 crucial” for determining whether the Class distributors suffered impact from the alleged
20 conduct renders Dr. Williams’ model “incapable of establishing whether all or virtually all
21 members of the proposed CFP class sustained impact resulting from the alleged conduct.”
22 *Id.* at 35.

23 The CFPs provide three answers to these criticisms. First, the CFPs point out that
24 Dr. Haider’s characterization of what constitutes non-Defendant tuna is incorrect. CFP
25 Reply at 24–25. What Dr. Haider characterized as “non-Defendant vendors” actually sold
26 over \$150 million of large-sized packaged tuna manufactured by Defendants; this tuna
27 would therefore be subject to the effects of the alleged price fixing. *Id.* at 24 (citing
28 Williams Rebuttal ¶¶ 34–35; Haider Dep. at 134:21–138:21).

1 Second, the CFPs contend that the anticompetitive conduct by Defendants also
2 affected the price of non-Defendant manufactured tuna because of the umbrella effect. *Id.*
3 (citing American Bar Association, *Proving Antitrust Damages*, at 246).

4 Third, Dr. Williams indicates that his class-member-by-class-member, sale-by-sale
5 regression analysis captures the effects of non-Defendant competition. CFP Reply at 25
6 (citing Williams Report ¶¶ 77–81). Indeed, Dr. Williams contends that any effect that
7 non-Defendant tuna had on the prices examined is “completely reflected in the prices [he]
8 examined.” Jan. 16 Hearing Tr., at 504:1–7. “Whatever ability the six distributors or their
9 customers had to substitute away from the [D]efendants’ products” and buy tuna from
10 non-Defendants, basic economic principles show they would have actually bought
11 non-Defendant tuna. *Id.* The effects of non-Defendant tuna are therefore “reflected in the
12 prices that [Dr. Williams] used in the overcharge regression.” *Id.*

13 The possible presence of large amounts of non-Defendant Tuna sold could indeed
14 raise plausible concerns about the data used and whether using the “correct” data could
15 result in different overall conclusions. But these objections—like many of Defendants’
16 objections—do not persuade the Court that the *methodology* put forward is unreliable or
17 that it will create individualized issues that will overwhelm the common ones. Moreover,
18 Dr. Williams provides reasons grounded in economic theory for why Defendants’ concerns
19 are misleading and incorrect. Defendants may fight this battle of the experts in a future
20 motion or at trial, but, for purposes of this Motion, the Court determines that Dr. Williams’
21 methodology is sufficient.

22 **Pass-Through Analysis Assumes Overcharges:** Defendants’ final objection is that
23 Dr. Williams assumes an average pass-through rate across all Class members and therefore
24 cannot actually prove impact. CFP Opp’n at 29. Defendants state that Dr. Williams
25 assumed that the pass-through rates were the same for years both during and outside of the
26 Class period. *Id.* Rather than looking at data only in the Class period to determine whether
27 the Class distributors passed through the overcharges, Dr. Williams looked at all available
28 data, which includes “periods well beyond the 5-year damages period.” *Id.* (citing CFP

1 Haider Report ¶ 82, n.94). This renders the model unreliable, according to Defendants,
2 because it “does not allow for the possibility that the pricing behavior of the [Class
3 distributors] might be different during the proposed class period.” *Id.* (citing CFP Haider
4 Report ¶ 82). “In other words, Dr. Williams does not test whether one of the six [Class
5 distributors] chose to absorb an unexpected or temporary cost change.” *Id.* Instead, he
6 assumes that the distributors passed through the overcharges at the same rate. *Id.*

7 The Court believes this issue does not show flaws in the methodology, but merely
8 disagreements among the experts about what data should be. Nothing about Dr. Williams’
9 pass-through analysis raises concerns with the Court about the reliability of the
10 methodology or its ultimate conclusions. Importantly, even assuming Dr. Haider is correct
11 and that the data used should be limited, her model in fact still finds positive and
12 statistically significant pass-through rates for all Class distributors when the data used is
13 limited to the class period. Williams Rebuttal at ¶¶ 90–95. Accordingly, the Court finds
14 this objection does not render the model unreliable. *See Optical Disk*, 2016 WL 467444,
15 at *11 (“The crucial point is that whether the [plaintiffs]’ theory is right or wrong, it is
16 something that can be decided on a class-wide basis.”).

17 iii. Impact Conclusion

18 Defendants have not persuaded the Court that Dr. Williams’ model is unreliable or
19 incapable of proving impact on a class-wide basis. Several issues Defendants raise could
20 ultimately give rise to individualized questions, but these questions do not overcome the
21 common questions that predominate for the case as a whole. *See Torres v. Mercer Canyons*
22 *Inc.*, 835 F.3d 1125, 1134, 1136–37 (9th Cir. 2016) (holding the “predominance inquiry
23 asks the court to make a global determination of whether common questions prevail over
24 individualized one”). The Court therefore finds the CFPs have met their burden as to
25 impact.

26 c. Damages

27 Dr. Williams uses the average overcharges and the estimated pass-through rates to
28 calculate total damages and damages for each Defendant separately. Williams Report

¶ 109. The damages are calculated by multiplying (a) actual revenues paid by proposed Class members, by (b) the product of the overcharge percentage and pass-through rate divided, by (c) one plus the overcharge percentage multiplied by the pass-through rate. *Id.* Defendants raise no objections to this methodology to calculate damages. *See generally* CFP Opp’n. So long as the earlier methodologies are sound, this calculation should also be accurate and capable of producing a damage estimate using common evidence. This methodology therefore satisfies Rule 23(b) for damages.

2. *Superiority*

The final Rule 23 requirement for class certification is “that a class action [be] superior to other available methods for fairly and efficiently adjudicating the controversy.” Fed R. Civ. P. 23(b)(3).

Here, Defendants make no argument concerning superiority. *See generally* CFP Opp’n. The CFPs maintain that Class treatment is superior in this anti-trust case because common issues predominate and the factors weigh in favor of Class treatment. The Court finds no reason to disagree. Any trial—whether it involves a single plaintiff or a class—will involve the same legal questions and evidence regarding Defendants’ conduct. Thus, the superiority requirement is met.

C. *Choice of Law*

In a multi-state class action, the Court must consider the choice-of-law issue because “variations in state law may swamp any common issues and defeat predominance.” *Castano v. Am. Tobacco Co.*, 84 F.3d 734, 741 (5th Cir. 1996). “Under California’s choice of law rules, the class action proponent bears the initial burden to show that California has ‘significant contact or significant aggregation of contacts’ to the claims of each class member.” *Mazza v. Am. Honda Motor Co.*, 666 F.3d 581, 589 (9th Cir. 2012) (quoting *Wash. Mut. Bank v. Super. Ct.*, 24 Cal. 4th 906, 921 (2001)). Once the class action proponent meets that initial burden, the party requesting the Court to apply foreign law must show that the interests of other states applying their laws outweigh California’s interest in having its law applied. *Id.* at 590. California choice-of-law analysis requires a

1 three-step test to determine which state’s laws should apply. *Wershba v. Apple Computer,*
2 *Inc.*, 91 Cal. App. 4th 224, 241–42 (2001).

3 First, the court determines whether the relevant law of each of
4 the potentially affected jurisdictions with regard to the particular
5 issue in question is the same or different.

6 Second, if there is a difference, the court examines each
7 jurisdiction’s interest in the application of its own law under the
8 circumstances of the particular case to determine whether a true
9 conflict exists.

10 Third, if the court finds that there is a true conflict, it carefully
11 evaluates and compares the nature and strength of the interest of
12 each jurisdiction in the application of its own law to determine
13 which state’s interest would be more impaired if its policy were
14 subordinated to the policy of the other state, and then ultimately
15 applies the law of the state whose interest would be more
16 impaired if its law were not applied.

17 *Mazza*, 666 F.3d at 590 (quoting *McCann v. Foster Wheeler LLC*, 48 Cal. 4th 68, 87–88
18 (2010)). Generally, the preference is to apply California law, rather than to choose the
19 foreign law as a rule of decision. *Strassberg v. New England Mut. Life Ins. Co.*, 575 F.2d
20 1262, 1264 (9th Cir. 1978).

21 *1. Material Differences in State Law*

22 “The fact that two or more states are involved does not itself indicate that there is a
23 conflict of law problem.” *Wash. Mut. Bank*, 24 Cal. 4th at 919–20. “A problem only arises
24 if differences in state law are material, that is, if they make a difference in this litigation.”
25 *Mazza*, 666 F.3d at 590 (citing *Wash. Mut. Bank*, 24 Cal. 4th at 920).

26 Defendants raise three differences between California and foreign law that they
27 argue are dispositive in this litigation: (1) the treatment of indirect purchaser standing,
28 (2) temporal limitations on recovery by indirect purchasers, and (3) the availability of a
pass-on defense. CFP Opp’n at 32–37. According to Defendants, the foreign jurisdictions
have a real interest in applying these laws and their interests trump California’s. *Id.* at 33.

///

1 For their part, the CFPs contend that no material differences exist and, even if they do,
2 California’s interests are greater in this case. CFP Reply at 36–40.

3 a. Indirect Purchaser Standing

4 Defendants argue that at least nine of the relevant jurisdictions follow the federal
5 prudential indirect purchaser standing test set forth in *Associated General Contractors v.*
6 *California State Council of Carpenters*, 459 U.S. 519 (1983) (“AGC”). Under AGC, the
7 court must determine whether a plaintiff is a proper party to bring an antitrust claim by
8 “evaluat[ing] the plaintiff’s harm, the alleged wrongdoing by the defendants, and the
9 relationship between them.” *Id.* at 535. To make this determination, the Supreme Court
10 identified certain factors to consider, including:

- 11 (1) the nature of the plaintiff’s alleged injury; that is, whether it
12 was the type the antitrust laws were intended to forestall; (2) the
13 directness of the injury; (3) the speculative measure of the harm;
14 (4) the risk of duplicative recovery; and (5) the complexity in
apportioning damages.

15 *Am. Ad Mgmt., Inc. v. Gen. Tel. Co. of Cal.*, 190 F.3d 1051, 1054 (9th Cir. 1999). Courts
16 must weigh the factors, giving the most weight to the nature of the plaintiffs’ injury. *Id.*
17 (citing *Amarel v. Connell*, 102 F.3d 1494, 1507 (9th Cir. 1997)). California does not
18 impose this test as an additional burden on indirect purchaser plaintiffs, which, according
19 to Defendants, creates a material difference. CFP Opp’n at 34.

20 The response by the CFPs is two-fold. First, they argue that Defendants have failed
21 to meet their burden of showing this difference in the law is material. CFP Reply at
22 36–37. Second, they argue that, even if the Court were to apply the AGC test, it confirms
23 that standing is appropriate. *Id.* at 37–39.

24 The Court agrees with Defendants that the laws of California and the AGC states do
25 indeed differ as to the standing requirements for indirect purchasers. *See* CFP Opp’n at
26 32–34. But to meet their burden, it is not enough that Defendants show a difference in the
27 law; the difference shown must be “material, that is, . . . [it must] make a difference in *this*
28 litigation.” *See Mazza*, 666 F.3d at 590 (emphasis added). Defendants do not actually

1 address the five *AGC* factors and apply them to this case. *See generally* CFP Opp’n. On
2 the other hand, the CFPs have persuasively shown that application of the *AGC* factors
3 confirms the CFPs have antitrust standing. CFP Reply at 37–39.

4 Based on the facts before it, the Court finds that “the record does not support a
5 conclusion that the outcome in [the *AGC*] jurisdictions would be materially different under
6 local law than under California law.” *Optical Disk*, 2016 WL 467444, at *14, n.14. Thus,
7 Defendants have not met their required burden to show that this difference in laws is
8 material in this case.

9 b. Temporal Limitation

10 Defendants next argue that there exists a conflict between the laws of California and
11 Rhode Island, which is a state included in the CFP proposed class. CFP Opp’n at 35–36.
12 Rhode Island law does not permit recovery by indirect purchasers for pre-2013 conduct.
13 *See R.I. Gen. Laws § 6-36-7; In re Niapson Antitrust Litig.*, 42 F. Supp. 3d 735, 759 (E.D.
14 Pa. 2014). Defendants argue that this temporal limitation is in contrast with the availability
15 of damages under California’s Cartwright Act for the CFPs’ class certification period of
16 2011–2016. *Id.*

17 The CFPs respond that the conflict is partial and limits only the damages the Rhode
18 Island Class members could obtain; it would not change the outcome of this case. CFP
19 Reply at 39. The Court agrees with the CFPs. “[T]he presence of individualized damages
20 cannot, by itself, defeat class certification under Rule 23(b)(3).” *Leyva v. Medline Indus.*
21 *Inc.*, 716 F.3d 510, 513–14 (9th Cir. 2013). Dr. Williams has shown that he can calculate
22 class-wide impact and damages using this limited time period for purchases in Rhode
23 Island and the effect would not change his overall conclusions. CFP Reply at 39 (citing
24 *Williams Reb.* ¶ 31). Thus, the Court finds this difference is not material.

25 c. Pass-On Defense

26 Defendants’ final challenge concerns the availability of the “pass-on” defense. CFP
27 Opp’n at 36–37. The so-called pass-on defense allows defendants to defeat antitrust claims
28 when they can show the plaintiffs suffered no damages as a result of the plaintiffs

1 “passing-on” any overcharges to their customers. *Hanover Shoe, Inc. v. United Shoe Mach.*
2 *Corp.*, 392 U.S. 481, 488 (1968). Although California law generally precludes any pass-on
3 defense, the California Supreme Court made clear in *Clayworth v. Pfizer*, 49 Cal. 4th 758
4 (2010), that there are certain exceptions to the rule. Relevant here, the pass-on defense is
5 available when “multiple levels of purchasers have sued, or where a risk remains they may
6 sue.” *Id.* at 690. “In such cases, if damages must be allocated among the various levels of
7 injured purchasers, the bar on consideration of pass-on evidence must necessarily be lifted;
8 defendants may assert a pass-on defense as needed to avoid duplication in the recovery of
9 damages.” *Id.*

10 Defendants have identified two states—Kansas and Wisconsin—which do not allow
11 any pass-on defense. CFP Opp’n at 43 (citing *Cox v. F. Hoffman-La-Roche*, No. 00-1890,
12 2003 WL 24471996, at *3 (Kan. Dist. Ct. Oct. 10, 2003); *K-S Pharmacies Inc. v. Abbott*
13 *Labs.*, No. 94-2384, 1996 WL 33323859, at *12 (Wis. Cir. Ct. May 17, 1996)). In these
14 states, Defendants could not reduce their damages by showing that the overcharges were
15 passed-on. This would allow the CFP Class members in those states to recover a higher
16 damage award.

17 The CFPs argue that this difference is not material because the pass-on defense
18 would not apply to this case. Although the California Supreme Court has yet to address
19 the scope of the defense, *see Clayworth*, 49 Cal. 4th at 690, this case may fall within the
20 exception. Multiple levels of purchasers—direct purchasers, indirect commercial foods
21 purchasers, and end-payer purchasers—have sued in this case. Damages may be required
22 to be allocated among the various levels of injured purchasers and, thus, the defense may
23 apply. The Parties have not briefed whether the exception actually applies in this case and,
24 therefore, the Court declines to make any such ruling at this point in the litigation. For
25 purposes of this Motion, however, the Court assumes it does apply and finds this difference
26 is material.

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1 2. *True Conflicts Analysis*

2 “The second step of the governmental interest analysis requires [the Court] to
3 examine ‘each jurisdiction’s interest in the application of its own law in the circumstances
4 of the particular case to determine whether a true conflict exists.’” *McCann*, 48 Cal. 4th at
5 90 (quoting *Kearney v. Salomon Barney, Inc.*, 39 Cal. 4th 95, 107–08 (2006)). It is a
6 principle of federalism that “each State may make its own reasoned judgment about what
7 conduct is permitted or proscribed within its borders.” *State Farm Mut. Auto. Ins. Co. v.*
8 *Campbell*, 538 U.S. 408, 422 (2003). “[E]very state has an interest in having its law applied
9 to its resident claimants.” *Mazza*, 666 F.3d at 592–93 (citing *Zinser*, 253 F.3d at 1187, *as*
10 *amended on denial of reh’g*, 273 F.3d 1266 (9th Cir. 2001)). California law also
11 acknowledges that “a jurisdiction ordinarily has ‘the predominant interest’ in regulating
12 conduct that occurs within its borders.” *McCann*, 48 Cal. 4th at 97–98 (citations omitted).

13 The only remaining law to consider at this point is the pass-on defense. Here, the
14 Court finds that the foreign jurisdictions have an interest in applying their laws regarding
15 the applicability of the pass-on defense to this case. By rejecting the pass-on defense, those
16 states have made the determination to not diminish damages for indirect purchasers. Those
17 states have resident plaintiffs in this action and have an interest in their law of apportioning
18 damages apply. The Court also finds that California has an interest in this case as well.
19 Both COSI and Bumble Bee are headquartered in California. California has an “interest in
20 protecting [its] resident defendants from excessive financial burdens.” *Hurtado v. Super.*
21 *Ct.*, 11 Cal. 3d 574, 584 (1974). Both the foreign jurisdictions and California have an
22 interest and therefore a true conflict exists.

23 3. *Impairments Test*

24 Once the trial court “determines that the laws are materially different *and* that each
25 state has an interest in having its own law applied, thus reflecting a true conflict, the court
26 must take the final step and select the law of the state whose interests would be ‘more
27 impaired’ if its law were not applied.” *Wash. Mut. Bank, FA*, 24 Cal. 4th at 920. “In
28 making this comparative impairment analysis, the trial court must determine ‘the relative

1 commitment of the respective states to the laws involved’ and consider ‘the history and
2 current status of the states’ laws’ and ‘the function and purpose of those laws.’” *Id.*
3 (quoting *Offshore Rental Co. v. Cont’l Oil Co.*, 22 Cal. 3d 157, 166 (1978)). “Accordingly,
4 [the Court’s] task is not to determine whether the [foreign state’s] rule or the California
5 rule is the better or worthier rule, but rather to decide—in light of the legal question at issue
6 and the relevant [] interests at stake—which jurisdiction should be allocated the
7 predominating lawmaking power under the circumstances of the present case.” *McCann*,
8 48 Cal. 4th at 97.

9 Here, California’s interest would be more impaired if the Court did not apply the
10 pass-on defense. The pass-on defense protects California’s resident businesses from what
11 it perceives to be excessive damages. This interest is substantial. Indeed, “[w]hen a state
12 adopts a rule of law limiting liability for commercial activity conducted within the state in
13 order to provide what the state perceives is fair treatment to, and an appropriate incentive
14 for, business enterprises, . . . the state ordinarily has an interest in having that policy of
15 limited liability applied.” *Id.* at 91.

16 The interest of the states identified by Defendant that do not allow the pass-on
17 defense would also be impacted. These states have an interest in ensuring their residents
18 are compensated for any losses. If the CFPs prevail, the pass-on defense may preclude
19 indirect purchaser plaintiffs residing in other jurisdictions from receiving damages under
20 California law. The purpose underlying antitrust laws—to punish the companies involved
21 and deter future offenses—is still viable under California law, however. The pass-on
22 defense would not completely undermine this interest because Defendants would still face
23 substantial damages to direct purchasers and those Plaintiffs that can prove they did not
24 pass on the overcharges. After balancing each state’s interest to determine which would
25 be more impaired, the Court finds that the interest of California to protect its resident
26 businesses outweighs the interest of the foreign states. This, coupled with the general
27 preference to apply California law, persuades the Court that California law applies to this
28 case.

1 **D. Conclusion**

2 Based on the above, the Court determines that the CFPs have met the Rule 23(a)
3 and Rule 23(b) requirements and therefore **GRANTS** the CFPs' Motion for Class
4 Certification.

5 * * *

6 **III. The EPPs' Motion for Class Certification**

7 The EPPs request the Court certify the following proposed class under California's
8 Cartwright Act:

9 Cartwright Act Class: All persons and entities who resided in one
10 of the States described in paragraphs 113(b) to 113(gg) of the
11 Fourth Consolidated Amended Complaint, specifically Arizona,
12 Arkansas, California, the District of Columbia, Florida, Guam,
13 Hawaii, Iowa, Kansas, Maine, Massachusetts, Michigan,
14 Minnesota, Mississippi, Missouri, Nebraska, Nevada, New
15 Hampshire, New Mexico, New York, North Carolina, North
16 Dakota, Oregon, Rhode Island, South Carolina, South Dakota,
17 Tennessee, Utah, Vermont, Virginia, West Virginia, and
18 Wisconsin, who indirectly purchased Packaged Tuna in cans or
19 pouches smaller than forty ounces for end consumption and not
20 for resale, produced by any Defendant or any current or former
21 subsidiary or affiliate thereof, or any co-conspirator, during the
22 period June 1, 2011 through July 1, 2015 (the "Class Period").

19 The class excludes purchases of meal kits and the Court. EPP Mot. at 17.

20 The EPPs also seek to certify a statewide damages class for each State, District, or
21 Territory enumerated in paragraphs 113(b) to 113(gg) of the Fourth Consolidated Amended
22 Complaint, which mirrors the above Cartwright Act Class definition:

23 Individual State Class[es]: All persons and entities who resided
24 in [State, District, or Territory], who indirectly purchased
25 Packaged Tuna in cans or pouches smaller than forty ounces for
26 end consumption and not for resale, produced by any Defendant
27 or any current or former subsidiary or affiliate thereof, or any co-
28 conspirator, during the period June 1, 2011 through July 1, 2015
(the "Class Period"). The class excludes purchases of meal kits.
Also excluded from the Class is the Court.

1 In a now familiar order of operations, the Court will address all of the Rule 23(a)
2 requirements, turning then to Defendants’ arguments regarding predominance—once again
3 the focus of attention—and choice of law considerations.

4 **A. Rule 23(a) Requirements**

5 Based on a review of the EPPs’ Motion, the Court finds the EPPs’ Cartwright Class
6 meets the Rule 23(a) requirements of numerosity, commonality, typicality, and adequacy.
7 Common sense indicates that the Class will be large and geographically widespread based
8 on the “sale of billions of units” throughout the states in the Class definition; these facts
9 satisfy numerosity. *Id.* at 20–21. There exist common questions of law and fact, including
10 “the identity of the conspirators, duration and terms of the conspiracy, and whether the
11 conduct satisfies each claim alleged,” all of which the EPPs will attempt to prove using
12 common evidence, thus satisfying commonality. *Id.* at 22. The EPPs satisfy typicality
13 because the claims of Class Representatives and Class members all arise from the same
14 conduct: the purchase of Defendants’ products at prices elevated above competitive levels
15 as a result of Defendants’ alleged price fixing conduct. *Id.* at 23–24. Finally, the EPP
16 Class Representatives and Class counsel do not have any conflicts of interest with other
17 Class members and the EPP Class Representatives, and Class counsel have shown they
18 have prosecuted, and will continue to prosecute this action vigorously. *Id.* at 24–25.
19 Defendants do not contest that the EPPs meet the Rule 23(a) requirements. *See generally*
20 *EPP Opp’n*. Therefore, the Court finds that the EPPs’ Cartwright Class meets the class
21 certification standards of Rule 23(a).

22 **B. Rule 23(b)(3) Requirements**

23 *1. Predominance*

24 As it has done with the previous two motions, the Court will consider each element
25 required to prove an antitrust claim to determine whether common questions of law and
26 fact predominate.

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1 a. Violation of Antitrust Laws

2 The EPPs argue that the adjudication of Defendants’ alleged antitrust violations will
3 turn on common legal and factual issues. EPP Mot. at 26. “Such common evidence will
4 include guilty pleas by Defendants’ executives to price-fixing charges, Defendants’ own
5 written communications and in-person meetings in furtherance of the conspiracy,
6 exchanges of confidential and commercially sensitive pricing information, and
7 contemporaneous price and package-size announcements.” *Id.*

8 The EPPs’ expert, Dr. David Sunding, also makes findings that purport to establish
9 an antitrust violation occurred. This evidence includes various market factors, such as a
10 nationwide demand and Defendants’ dominate share of the canned tuna market. Expert
11 Report of Dr. David Sunding (“Sunding Report”) ¶¶ 41–48, ECF No. 1703-2. Dr. Sunding
12 also points to barriers to entry into the market and bilateral co-pack agreements between
13 Defendants as further evidence that the canned tuna market is ripe for cartel behavior. *Id.*
14 ¶¶ 49–63. Finally, Dr. Sunding conducted a detailed analysis of the discovery evidence,
15 concluding that Defendants’ behavior points to the existence of a cartel. *Id.* ¶¶ 64–90. This
16 evidence would be common for each of the Class members. Thus, the Court finds that
17 common questions will predominate with respect to this element.

18 b. Impact

19 To show that the direct purchasers paid inflated prices and that those overcharges
20 were passed through to the Class members, the EPPs primarily rely on the expert report of
21 Dr. David Sunding. Defendants argue that Dr. Sunding’s findings are unreliable for a host
22 of reasons, thus making class certification inappropriate. Following a brief overview of
23 Dr. Sunding’s report, the Court will analyze each of Defendants’ specific arguments
24 regarding impact not already addressed above.

25 i. Dr. Sunding’s Impact Analysis

26 Dr. Sunding’s assignment for this case was to “examine public documents and the
27 discovery evidence in order to ascertain whether or not the [EPPs] suffered from class-wide
28 damages from the alleged conspiracy.” *Id.* ¶ 7. Dr. Sunding begins his impact analysis by

1 considering general background evidence concerning the packaged tuna market and by
 2 examining the record evidence regarding Defendants’ alleged anticompetitive behavior.
 3 *Id.* ¶¶ 12, 37–92. Dr. Sunding concludes that the “structural elements of the packaged tuna
 4 market indicate that [] Defendants had an incentive to collude and that a cartel would be
 5 profitable and enforceable,” *id.* ¶ 12, all of which supports a finding of impact to the class.

6 To estimate overcharges of canned tuna at the wholesale level, Dr. Sunding uses a
 7 reduced-form regression model. *Id.* ¶ 102. “The reduced form pricing equation estimates
 8 the conditional wholesale price of tuna products as a function of a series of explanatory
 9 variables relating to product characteristics, supply and demand factors, and the period of
 10 alleged conspiracy.” *Id.* The conditional prices during the class period are then compared
 11 to the clean, benchmark period to determine whether there is a statistically significant
 12 overcharge. *See id.* ¶ 110.

13 The benchmark, class, and held out periods are shown in the table below:

| Period of Time | Treatment in the Model | StarKist | Chicken of the Sea | Bumble Bee |
|-------------------|------------------------|-------------------|--------------------|-------------------|
| Early Competitive | Benchmark | Pre 07/2004 | Pre 08/2004 | Pre 07/2004 |
| Early Examined | Benchmark | 7/2004 – 7/2008 | 08/2004 – 09/2008 | 07/2004 – 09/2008 |
| Can Resize | Held out | 07/2008 – 05/2011 | 10/2008 – 05/2011 | 09/2008 – 05/2011 |
| Class Period | Class | 05/2011 – 07/2015 | 06/2011 – 07/2015 | 05/2011– 07/2015 |
| Cooldown | Held out | 08/2015 – 12/2015 | 08/2015 – 12/2015 | 08/2015 – 12/2015 |
| Late Competitive | Benchmark | 01/2016 onwards | 01/2016 onwards | 01/2016 onwards |

22 *Id.* Table 2.

23 Dr. Sunding uses both cost-side and demand-side variables to control for changes
 24 attributable to factors other than anti-competitive behavior. *Id.* ¶¶ 93, 102–06. The cost
 25 variables include the cost of fish, metal, labor, and electricity; the demand side variables
 26 include unemployment rates and the price of chicken (because it is a substitute protein).
 27 *Id.* ¶ 106.

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1 Dr. Sunding concludes that StarKist, Bumble Bee, and COSI charged prices above
2 a level that can be explained by legitimate competitive factors at estimates of 4.5%, 9.4%,
3 and 8.1%, respectively. *Id.* ¶ 110.

4 To test the accuracy of his overcharge results, Dr. Sunding performs several
5 “sensitivity” tests. *Id.* ¶ 112; *see also* Jan. 15, 2019 Hearing Tr., at 273:10–274:25, ECF
6 No. 1802 (“[Dr. Sunding did not] just assume overcharges are positive everywhere in the
7 market”; instead he did a “reality check” to test his results). The sensitivity tests include a
8 comparison of the overcharge percentages to Defendants’ profit margins; regression
9 models that evaluate whether the overcharge varied when focusing on specific products
10 and package type; and whether the alleged collusion affected large customers, specifically
11 Walmart. Sunding Report ¶ 112. The results of these analyses confirm the initial models’
12 findings. *Id.*

13 To demonstrate that the impact affected all, or nearly all, of the Class members,
14 Dr. Sunding provides expert opinions on qualitative, quantitative, and anecdotal and other
15 record evidence “that support[] the pass-through of direct overcharges.” EPP Mot. at 34.
16 Regarding the qualitative evidence, Dr. Sunding notes that economic theory supports a
17 finding that the distribution channels at issue have characteristics that make it likely
18 pass-through of the overcharges occurred. *Id.* at 35. This includes evidence that the retail
19 grocery business is highly competitive, making it highly probable retail purchasers would
20 pass-through cost increases to the EPPs. *Id.*

21 Next, Dr. Sunding points to anecdotal evidence regarding pass-through. This
22 evidence includes Defendants’ documents and internal communications, which show that
23 they were aware any price increases would be passed through to consumers. *Id.*
24 ¶¶ 140–44.

25 Finally, Dr. Sunding provides quantitative evidence in the form of multiple
26 economic models to establish pass-through rates using retail scanner data from consumer
27 purchases and data from individual retail firms. *Id.* ¶¶ 145–73. Dr. Sunding concludes that

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1 each model shows statistically significant results supporting the conclusion that direct
2 purchasers passed the overcharges they paid on to the end payers.

3 ii. Defendants' Opposition

4 Defendants employed Dr. Laila Haider—the same expert employed by Defendants
5 in response to the CFPs' expert's report—to analyze Dr. Sunding's model. Dr. Haider
6 concludes that the methodology proposed by Dr. Sunding is not capable of establishing
7 that all, or nearly all, indirect end-payer purchasers sustained impact. Expert Report of
8 Dr. Laila Haider ("EPP Haider Report") ¶ 9, ECF No. 1409-3. The deficiencies of
9 Dr. Sunding's methodologies, Defendants argue, show the EPPs are incapable of proving
10 impact using a common, class-wide method.

11 Defendants attack Dr. Sunding's methodology on many of the same grounds as in
12 the previous motions. Defendants attack Dr. Sunding's selection of time periods, EPP
13 Opp'n at 22–31; use of average overcharge percentages, *id.* at 32–35; and the data sets used
14 to construct the models, *id.* at 46–48. The Court will not rehash why those are not fatal to
15 class certification and adopts its previous analysis here. The Court will, however, address
16 the new issues raised by Defendants.

17 **Absurd Results:** Defendants first argue that Dr. Sunding's model produces
18 "absurd" results and is thus unreliable. *Id.* at 24–25. Dr. Haider claims that the model
19 produces results for the prices of pouched tuna packages that are highly inflated to a level
20 that makes no economic sense. *Id.* According to Dr. Haider, the model's results also
21 indicate that as several price indicators, such as cost of supplies and labor, go up,
22 Dr. Sunding's model actually shows a decrease in price which is illogical and indicates
23 unreliability. *Id.*

24 The EPPs respond by claiming that Dr. Haider simply miscalculated. EPP Reply at
25 22. The EPPs claim Dr. Haider misconstrues how the packaging type variable is entered
26 into the model, *id.*; *see also* Jan. 15 Tr., at 277:1-7 (stating Dr. Haider "neglected to account
27 for the fact that [Dr. Sunding's] packaging type variable enters more than once into the

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1 regression”), and that when the model is analyzed correctly, the price of pouched tuna
2 products determined by the model is in line with market realities. *Id.*

3 After reviewing these contentions, the Court ultimately views Defendants’ argument
4 as a disagreement about the results of the model, rather than the viability of the model
5 itself. That kind of contention does not defeat class certification. *See In re Ethylene*
6 *Propylene Diene Monomer*, 256 F.R.D. at 96 (“[I]f the defendants’ experts are merely
7 disputing the results of the plaintiffs’ experts’ analysis rather than the feasibility of using a
8 single formula methodology, that would be a merits issue, not a class certification issue.”).
9 Dr. Sunding provides viable explanations for the results with which Defendants disagree;
10 whether Defendants or the EPPs are correct is not for the Court to decide at this junction.
11 *See In re Aftermarket Automotive Lighting Prods. Antitrust Litig.*, 276 F.R.D. 364, 373–74
12 (C.D. Cal. 2011) (“[T]he Court is not supposed to decide at the certification stage which
13 expert analysis or model is better.”).

14 **Pass-Through Model Ignores Important Factors:** Defendants level a series of
15 arguments regarding Dr. Sunding’s pass-through model, asserting that Dr. Sunding ignores
16 several important factors that affect the outcome of the model. EPP Opp’n at 37–48.
17 Specifically, Defendants argue that Dr. Sunding’s pass-through model ignores loss-leader
18 pricing, *id.* at 38–40; focal point pricing, *id.* at 41–43; geographic location and product
19 variation; *id.* at 43–44, and an entire link in the distribution chain, *id.* at 44–45. Defendants
20 claim that because of these deficiencies, Dr. Sunding’s model cannot show Defendants
21 passed the overcharges on to all, or nearly all, of the EPPs.

22 The Court is not persuaded that any of Defendants’ arguments regarding the EPPs’
23 pass-through model defeat certification. Beginning with Defendants’ contention that
24 Dr. Sunding ignored loss-leader and focal point pricing, the Court notes that Dr. Sunding
25 in fact discusses both in his report. *See Sunding Report* ¶¶ 127–30 (discussing use of
26 loss-leaders for packaged tuna), ¶¶ 131–34 (discussing retail pricing approaches used for
27 canned tuna). With regard to loss-leader specifically, Dr. Sunding tested his findings in
28 his Reply Report after Defendants raised this issue to ensure his findings were correct—

1 his tests confirm his initial conclusions. *See* Expert Reply Report of David Sunding
2 (“Sunding Reply”), ¶¶ 53–58, ECF No. 1703-4.

3 Defendants’ contention that Dr. Sunding ignored geographic location and product
4 variation is equally unavailing. According to Dr. Haider, Dr. Sunding’s model fails to
5 account for different economic conditions between geographic areas, does not include “the
6 variables necessary to account for differences in the prices paid across different locations,”
7 and relies on data from market research firm Information Resources, Inc. (“IRI”) that
8 masks variation in prices paid. EPP Opp’n at 43 (citing EPP Haider Report ¶ 64 & n.95).
9 Together, Dr. Haider claims these flaws inflate the pass-through rates for a significant
10 portion of the class. *Id.* Dr. Haider ran her own regression to account for these differences
11 and determined that the pass-through effects decline for a significant portion of the class.
12 EPP Haider Report ¶¶ 61–65.

13 The EPPs, however, have persuasive explanations for each of the purported
14 deficiencies. The EPPs claim Dr. Haider’s regression model is in fact unreliable because
15 it reduces the sample size and increases multicollinearity. EPP Reply at 37–38.
16 Accounting for these variables correctly, in the EPPs’ view, leads to results similar to those
17 from Dr. Sunding’s analysis. *Id.* They also note Dr. Sunding’s analysis includes “varying
18 estimates at the geographic level of the individual store[,] . . . which were consistent with
19 his state-by-state IRI analyses.” EPP Reply at 36 (citing Sunding Reply ¶ 37). The robust
20 studies relied on by Dr. Sunding, including two studies based on IRI data and seven studies
21 based on retailer and distributor data, contrast with the sparse amount of data relied on by
22 experts in cases other courts have found troubling. *See, e.g., In re Processed Eggs Prods.*
23 *Antitrust Litig.*, 312 F.R.D. 124, 158 (E.D. Penn. 2015) (finding pass-through methodology
24 relying on single regression that used cost data from only one retailer flawed). The EPPs’
25 rebuttals convince the Court that Dr. Haider’s critiques do not reveal underlying problems
26 with Dr. Sunding’s pass-through analysis that preclude certification.

27 Finally, Defendants contend that Dr. Sunding fails to account for multi-outlet stores
28 (i.e., grocery stores) in his analysis and that he assumes, rather than performs any testing

1 to prove, that the distributors to these retail channels passed on any overcharges. EPP
2 Opp’n at 44–45. But Dr. Sunding indicates that his model does in fact include analysis of
3 a distributor that sells to grocery stores. Sunding Reply ¶ 62. This analysis, coupled with
4 other common evidence provided, is enough for the Court to determine that the EPPs have
5 provided a reasonable method to prove pass-through for these retail channels. *See* EPP
6 Reply at 40.

7 iii. Impact Conclusion

8 After reviewing Defendants’ objections, the Court concludes that the methodology
9 put forward by Dr. Sunding is reliable and capable of proving impact. Defendants once
10 again raise potential flaws in the methodology that could convince a finder of fact that the
11 EPPs have not proven impact, however, the potential flaws raised are not so dramatic that
12 the methodology must be thrown out and certification denied. At this point, all that is
13 necessary is that the EPPs put forward “a sufficient basis from which to conclude that [the
14 EPPs] would adduce common proof concerning the effect of Defendants’ alleged
15 price-fixing conspiracy.” *In re Aftermarket Automotive Lighting Prods.*, 276 F.R.D. at 374.
16 Dr. Sunding’s report meets this threshold and, thus, the Court finds common issues
17 predominant in regard to impact to the class.

18 b. Damages

19 Dr. Sunding proposes using the overcharge estimates and the pass-through estimates
20 using the IRI data model to calculate the total damages. Sunding Report ¶¶ 174–75.
21 Defendants raise no objections to this methodology to calculate damages, and the Court
22 finds this methodology sufficient to satisfy predominance.

23 2. Superiority

24 The EPPs maintain that Class treatment is superior in this anti-trust case because
25 common issues predominate and the Rule 23(b) factors weigh in favor of Class treatment.
26 EPP Mot. at 44–47. The Court agrees. A class action provides a superior method for the
27 individual indirect purchasers—whose individual damages by themselves would be too
28 small to justify litigation—to raise their claims and obtain meaningful redress. A class

1 action would also be more manageable and more efficient than thousands of individual
2 adjudications, all using common evidence. The Rule 23(b) superiority requirement is thus
3 met. *See In re TFT-LCD*, 267 F.R.D. at 608 (“[I]f common questions are found to
4 predominate in an antitrust action . . . courts generally have ruled that the superiority
5 prerequisite of Rule 23(b)(3) is satisfied.”) (quoting Wright, Miller & Kane, *Federal*
6 *Practice and Procedure: Civil Procedure* § 1781, at 254–55 (3d ed. 2004)).

7 **C. Choice of Law**

8 Defendants argue that the EPPs’ Cartwright Class is improper because (1) applying
9 California law to the multistate class claims violates due process, EPP Opp’n at 49–51; and
10 (2) under California’s choice of law test, California law should not apply because (a) there
11 are multiple, material differences between the laws of California and other states; and
12 (b) those other states’ interests would be more impaired, *id.* at 51–58.

13 **1. Due Process**

14 When a class action proponent seeks to certify a multi-state class under the law of
15 one state, the Court must ensure that the certification comports with due process. *Mazza*,
16 666 F.3d at 589–90. To satisfy due process in this case, California must have “significant
17 contact or significant aggregation of contacts, creating interests, with the parties and the
18 occurrence or transaction” such that application of California law “is neither arbitrary nor
19 fundamentally unfair.” *AT&T Mobility LLC v. AU Optronics Corp.*, 707 F.3d 1106, 1111,
20 1113 (9th Cir. 2013) (quoting *Allstate Ins. Co. v. Haugue*, 449 U.S. 302, 308, 312–13
21 (1981)). “Specifically, . . . the Cartwright Act can be lawfully applied without violating a
22 defendant’s due process rights when more than a *de minimis* amount of that defendant’s
23 alleged conspiratorial activity leading to the sale of price-fixed goods to plaintiffs took
24 place in California.” *Id.* at 1113.

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1 Defendants contend that the EPPs fail to show that Defendants StarKist and Del
2 Monte had sufficient contacts in California to satisfy due process.¹⁶ EPP Opp’n at 50–51.
3 The record evidence, however, shows otherwise: The deposition testimony and guilty
4 pleas show that all Defendants carried out conspiracy related conduct in California. This,
5 in addition to the fact that Defendants alleged conspiracy-related conduct caused harm to
6 California residents, is sufficient contact with the State to satisfy due process. *See AT&T*
7 *Mobility*, 707 F.3d at 1113 (“[A]nticompetitive conduct by a defendant within a state that
8 is related to a plaintiff’s alleged injuries and is not ‘slight and casual’ establishes a
9 ‘significant aggregation of contacts, creating state interests.’”).

10 2. *California’s Governmental Interest Test*

11 Defendants raise many of the same differences between California and foreign law
12 that the CFPs raised and the Court rejected above. These include the treatment of indirect
13 purchaser standing, EPP Opp’n at 55–56, and temporal limitations on recovery by indirect
14 purchasers, *id.* at 56–57. The same reasoning applies here, and the Court finds that, with
15 regard to these differences, the comparative impairments test falls in favor of California
16 law applying.

17 Defendants raise two additional, potential differences that the Court has not
18 previously addressed. First, Defendants argue that because StarKist and Del Monte reside
19 in Pennsylvania and Ohio, those states are “potentially affected jurisdictions” that must be
20 considered in the choice of law analysis. *Id.* at 52. Both Pennsylvania and Ohio follow
21 *Illinois Brick Co. v. Illinois*, 431 U.S. 720 (1977), meaning indirect purchaser claims are
22 barred in those states. This Court previously found that this difference is material, that the
23 foreign states have an interest in applying their legislative decisions regarding *Illinois*
24 *Brick*, and that these states’ interest would be more impaired than California’s interest if
25 their laws were not applied. 242 F. Supp. 3d 1033, 1066–68 (S.D. Cal. 2017).

27
28 ¹⁶ Defendants do not contest that the remaining Defendants’ contacts with California are sufficient to satisfy Due Process.

1 That finding, however, was based a nationwide putative class; the EPPs now seek a
2 more limited class. The EPPs do not include Pennsylvania and Ohio in the class definition
3 and, thus, no Class members reside in those states. For that reason, the retail transactions
4 at issue did not occur in those states for purposes of this case. Further, the EPPs make no
5 allegations that any conspiratorial activity took place in those states. Thus, “much, perhaps
6 most of the actionable conduct in this case took place in [California]” and the other states
7 included in the class definition—not in Ohio or Pennsylvania. *See In re TFT-LCD*, 2013
8 WL 4175253, at *2–3. California’s interests in punishing antitrust behavior for conduct
9 that occurred within its borders would be more impaired than the interest of Pennsylvania
10 or Ohio in applying their laws to conduct occurring outside their borders. California law
11 should therefore apply.

12 Defendants’ second argument concerns the consumer protection statutes of the other
13 states in the Cartwright Class. This argument is misplaced. The EPPs’ Cartwright Class
14 would apply only the antitrust laws of California to the other states, not the consumer
15 protection statutes. The differences between these laws are therefore not material in this
16 case. Despite Defendants’ contentions, *Mazza* is not to the contrary. 666 F.3d at 591. In
17 *Mazza*, the plaintiffs attempted to certify a nationwide class under California’s *consumer*
18 *protection statutes*—not the Cartwright Act. *Id.* Thus, while the Ninth Circuit held that
19 material differences exist between the various state consumer protection laws, Defendants
20 have not shown how that is relevant for the choice of law analysis for the Cartwright Act
21 Class here. Because Defendants have failed to show that the antitrust laws of the various
22 states conflict with California’s Cartwright Act in a material way and that those states have
23 a predominate interest, the Court must conclude that California law applies.

24 ***D. Statewide Classes***

25 In addition to the Cartwright Class, the EPPs also ask this Court to certify thirty-two
26 individual Statewide Classes under the antitrust and consumer protection laws of those
27 states. Starting with Rule 23(a), the Court finds that the proposed classes meet the
28 numerosity, commonality, typicality, and adequacy prongs. Numerosity is shown through

1 the table of evidence provided in the Declaration of Betsy Manifold, Ex. 67, ECF No.
2 1130-8, which shows that, for each state, thousands of transactions occurred. Declarations
3 by the EPP Representative from each state proves adequacy. *Id.* Commonality and
4 typicality are satisfied in the same manner discussed above regarding the EPPs' Cartwright
5 Class.

6 As for the 23(b) requirements, the Court finds that the same analysis undertaken for
7 the Cartwright Class is largely applicable here as well. Defendants contend that the
8 separate state laws will create manageability problems too great to support class treatment.
9 EPP Opp'n at 59–61. Defendants fail to persuade the Court that these potential
10 individualized issues overwhelm the common ones, making class treatment inappropriate.
11 The differences in laws can be handled at trial through different jury instructions based on
12 each of the separate state subclasses. *Cf. In re Hyundai and Kia Fuel Economy Litig.*, 926
13 F.3d 539, 563 n.7 (9th Cir. 2019). And multiple courts have certified similar classes. *See,*
14 *e.g., In re Static Random Access Memory Antitrust Litig.*, 264 F.R.D. 603, 617 (N.D. Cal.
15 2009) (certifying twenty-seven statewide damages classes in addition to nationwide
16 injunctive relief class); *In re TFT-LCD*, 267 F.R.D. at 608–13 (certifying twenty-four
17 statewide damages classes in addition to nationwide injunctive relief class). Based on a
18 review of the superiority factors as a whole, the Court finds the superiority requirement
19 satisfied.

20 ***E. Conclusion***

21 The Court determines that the EPPs have met the Rule 23(a) and Rule 23(b)
22 requirements and therefore **GRANTS** the EPPs' Motion for Class Certification.

23 **CONCLUSION**

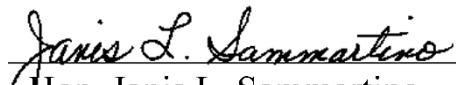
24 Based on the foregoing, the Court **GRANTS** the DPPs' (ECF No. 1140), the CFPs'
25 (ECF No. 1143), and the EPPs' (ECF No. 1130) Motions for Class Certification.

26 Previously, the Court appointed interim counsel for each tract. Their work in
27 prosecuting this action has been effective and efficient and the Court believes they will
28 fairly and adequately represent the Classes. Therefore, pursuant to Rule 23(g), the Court

1 appoints Hausfeld LLP as Class counsel for the DPPs; Cuneo Gilbert & Laduca, LLP as
2 Class counsel for the CFPs; and Wolf Haldenstein Adler Freeman & Herz LLP as Class
3 counsel for the EPPs. Counsel for each tract is ordered to submit a proposed plan for
4 dissemination to the Classes within thirty days of the electronic docketing of this Order.

5 **IT IS SO ORDERED**

6 Dated: July 30, 2019

7 
8 Hon. Janis L. Sammartino
9 United States District Judge
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