Online Appendix

High-End Variety Exporters Defying Gravity:

Micro Facts and Aggregate Implications

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1 Price dispersion

We expect the price dispersion to be higher among Comité Colbert (vertically differentiated) products than among homogenous products. We identify homogenous goods using the Rauch nomenclature. We consider both homogenous and reference-priced goods. To assess the level of price dispersion, we plot the kernel density of the logarithm of the ratio of individual unit values over the median product-level unit value. The formula is given by:

$$\operatorname{disp}_{fk} = \log\left(\frac{uv_{fk}}{\operatorname{med}_k(uv_{fk})}\right)$$

with uv_{fk} the unit value of product k sold by firm f, and $med_k(uv_{fk})$ the median unit value of product k. Considering these log-ratios allows us to compare the dispersion across product categories. To be consistent with our paper, we consider products at the 6-digit level. To avoid bias driven by geographic or temporal composition, we focus on the price dispersion of French exports to Germany in 2005. Our results are robust if one considers other years or other destination countries. The kernel density is presented in Figure 1. We see that high-end

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Figure 1: Dispersion of high-end vs homogenous products



export prices deviate substantially more from the median price than homogenous export prices. We have also computed the mean absolute dispersion for high-end products and homogenous products $(Mean(|disp_{fk}|))$. The mean absolute dispersion is .57 for homogenous products and .66 for high-end ones. This shows that the prices of high-end products are more dispersed than the prices of homogenous goods.

2 List of HS6 products and their price premia

High-end firms are French exporters for which at least 85% of exports over the period 2000-2006 correspond to high-end variety exports. For a given product, high-end variety exports correspond to flows which unit value, on average, is at least as high as the unit value observed for that product among Colbert firms.

Practically, for the identification of high-end exporters, we first estimate the following regression for each hs6 separately:

$$luv_{ict} = \mu_{ct} + u_i + \epsilon_{ict}$$

where, for a given hs6 product, luv_{ict} is the log of the export unit value of firm *i* to country *c* at time *t*, μ_{ct} is a country-year fixed effect capturing all the pricing-to-market or discrimination

effects that might affect firm-level prices to country c at time t, as well as all aggregate changes in unit values over time, and ϵ_{ict} is an i.i.d. disturbance term. Finally, u_i is a firm fixed effect that captures the invariant part of firm-hs6 product unit values observed from 2000 to 2006. It can be interpreted as an average price premium across destinations for a given firm and a given product as compared to the other firms exporting the same product.

Then, a firm is said to export high-end varieties of a given HS6 product if its fixed effect is at least equal to the first quartile of the fixed effects measured for this same HS6 product among Colbert firms. This threshold corresponds to the minimum value of the average ratio between firm-level price and the average price of other exporters to a given market for a given firm-product to be considered as a high-end variety.

We present the list of products and price premia in the following table. The HS6 product lines for which there is no premium are HS6 products that are not exported by Colbert firms but that correspond to low-end varieties of broader product categories (same product code) exported by Colbert firms. We include them in our final sample.

| Product code | HS6 rev.2 | Description | Premia |
|--------------|-----------|--|--------|
| 1 | 90210 | Tea, green (unfermented) in packages $\leq 3~{\rm kg}$ | 0.151 |
| 2 | 90230 | Tea, black (fermented or partly) in packages $\leq 3~{\rm kg}$ | -0.235 |
| 3 | 90240 | Tea, black (fermented or partly) in packages $\geq 3~{\rm kg}$ | -0.090 |
| 4 | 170490 | Sugar confectionery not chewing gum, no cocoa content | 0.596 |
| 5 | 180631 | Chocolate, cocoa preps, block, slab, bar, filled, ${\geq}2k$ | 0.864 |
| 6 | 180632 | Chocolate, cocoa prep, block/slab/bar, not filled, ${\geq}2k$ | 0.514 |
| 7 | 180690 | Chocolate/cocoa food preparations nes | 0.717 |
| 8 | 190590 | Communion wafers, rice paper, bakers wares nes | 0.859 |
| 9 | 200710 | Homogenised jams, jellies, etc | 0.532 |
| 10 | 200791 | Citrus based jams jellies marmalade, etc. | 0.479 |
| 11 | 200799 | Jams, fruit jellies, purees and pastes, except citrus | 0.768 |
| 12 | 210690 | Food preparations nes | 0.772 |
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| Product code | HS6 rev.2 | Description | Premia |
|--------------|-----------|---|--------|
| 13 | 220410 | Grape wines, sparkling | 0.418 |
| 14 | 220421 | Grape wines nes, for tified wine or must, pack \leq 2l | 0.397 |
| 15 | 220820 | Spirits obtained by distilling grape wine, grape marc | -0.419 |
| 16 | 330300 | Perfumes and toilet waters | 0.256 |
| 17 | 330410 | Lip make-up preparations | -0.059 |
| 18 | 330420 | Eye make-up preparations | -0.376 |
| 19 | 330430 | Manicure or pedicure preparations | 0.336 |
| 20 | 330491 | Powders, for skin care and make-up | -0.177 |
| 21 | 330499 | Beauty, makeup and suntan preparations nes | 0.209 |
| 22 | 420211 | Trunks, suit-cases/etc, outer surface leather | 0.390 |
| 22 | 420212 | Trunks, suit-cases, etc, outer surface plastic/textil | 0.335 |
| 22 | 420219 | Trunks, suit-cases and similar containers, outer nes | 1.150 |
| 23 | 420221 | Handbags with outer surface of leather | 0.193 |
| 23 | 420222 | Handbags with outer surface plastics, textile materia | 0.274 |
| 23 | 420229 | Handbags, of vulcanised fibre or paperboard | -0.831 |
| 24 | 420231 | Articles for pocket or handbag, leather outer surface | -0.208 |
| 24 | 420232 | Articles for pocket or handbag, plastic, textile oute | 0.209 |
| 24 | 420239 | Articles for pocket or handbag, nes | 1.223 |
| 25 | 420291 | Containers nes, outer surface of leather | 0.368 |
| 26 | 420292 | Containers nes, outer surface plastic or textile | -0.260 |
| 27 | 420299 | Gun, musical instrument, camera, etc cases, nes | -0.611 |
| 28 | 420310 | Articles of apparel of leather or composition leather | 0.101 |
| 29 | 420329 | Leather, composition gloves & mittens except sports | 1.613 |
| 30 | 420330 | Belts and bandoliers of leather or composition leathe | 0.577 |
| 31 | 420340 | Clothing accessories nes, of leather or composition | -0.056 |
| 32 | 420500 | Articles of leather and composition leather, nes | 0.543 |
| 33 | 430310 | Articles of apparel & clothing accessories of furskin | 0.594 |

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|------------------------------|-----------|--|--------|--|
| Product code | HS6 rev.2 | Description | Premia | |
| 34 | 430390 | Articles of furskin except clothing and accessories | -0.722 | |
| 35 | 480890 | Paper crepe, crinkle, embossed, perforated, not kraft | -0.493 | |
| 36 | 481910 | Cartons, boxes & cases, of corrugated paper or board | 0.196 | |
| 37 | 481920 | Cartons, boxes & cases, folding, non-corrugated paper | -0.030 | |
| 38 | 481930 | Sacks and bags, of paper, having a width $\geq 40~{\rm cm}$ | -0.014 | |
| 39 | 481940 | Sacks and bags, of paper, nes, including cones | 0.043 | |
| 40 | 481950 | Containers, packing, nes of paper | 0.447 | |
| 41 | 481960 | Office box files, letter trays etc., of paper | -0.024 | |
| 42 | 490110 | Brochures, leaflets and similar, in single sheets | -0.767 | |
| 43 | 490199 | Printed reading books, except dictionaries etc | -0.107 | |
| 44 | 491110 | Trade advertising material, catalogues etc. | -0.189 | |
| 45 | 491191 | Pictures, designs and photographs | -1.007 | |
| 46 | 491199 | Printed matter, nes | -0.625 | |
| 47 | 500710 | Woven fabric of noil silk | -1.363 | |
| 48 | 500720 | Woven fabric $\geq 85\%$ silk (except noil silk) | -0.838 | |
| 49 | 520811 | Plain weave cotton, $\geq 85\% \leq 100$ g/m2, unbleached | 0.868 | |
| 50 | 520812 | Plain weave cotton, $\geq 85\%$ 100-200g/m2, unbleached | 0.606 | |
| 51 | 520822 | Plain weave cotton, $\geq 85\%$ 100-200g/m2, bleached | 0.378 | |
| 52 | 520829 | Woven cotton nes, $\geq 85\% \leq 200$ g/m2, bleached | 0.408 | |
| 53 | 520832 | Plain weave cotton, $\geq 85\%$ 100-200g/m2, dyed | 0.313 | |
| 54 | 520839 | Woven cotton nes, $\geq 85\% \leq 200$ g/m2, dyed | -0.162 | |
| 55 | 520842 | Plain weave cotton, $\geq\!\!85\%$ 100-200 g/m2, yarn dyed | -0.097 | |
| 56 | 520849 | Woven cotton nes, $\geq 85\% \leq 200$ g/m2, yarn dyed | 0.064 | |
| 57 | 520852 | Plain weave cotton, $\geq 85\%$ 100-200g/m2, printed | -0.385 | |
| 58 | 520859 | Woven cotton nes, $\geq 85\% \leq 200$ g/m2, printed | -0.035 | |
| 59 | 520931 | Plain weave cotton, $\geq 85\% \geq 200$ g/m2, dyed | 0.127 | |
| 60 | 520932 | Twill we ave cotton, $\ge\!85\%\ge\!200\mathrm{g/m2},$ dyed | 0.033 | |
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|------------------------------|-----------|--|--------|
| Product code | HS6 rev.2 | Description | Premia |
| 61 | 520939 | Woven cotton nes, $\geq 85\% \geq 200$ g/m2, dyed, nes | -0.138 |
| 62 | 520941 | Plain weave cotton, $\geq 85\% \geq 200$ g/m2, yarn dyed | 1.094 |
| 63 | 520942 | Denim cotton $\geq 85\% \geq 200$ g/m2 | 0.091 |
| 64 | 520943 | Twill cotton except denim, $\geq 85\% \geq 200$ g/m2, yarn dyed | -0.708 |
| 65 | 520949 | Woven cotton nes, $\geq 85\% \geq 200$ g/m2, yarn dyed, nes | -0.969 |
| 66 | 520951 | Plain weave cotton, $\geq 85\% \geq 200$ g/m2, printed | 0.432 |
| 67 | 520959 | Woven cotton nes, $\geq 85\% \geq 200$ g/m2, printed, nes | 0.166 |
| 68 | 521132 | Twill we ave cotton, ${\leq}85\%$ +manmade fibre, ${\geq}200{\rm g},$ dyed | 0.117 |
| 69 | 521139 | Woven cotton nes, $\leq 85\%$ +manmade fibre, ≥ 200 g/m2, dyed | 0.336 |
| 70 | 521149 | Woven cotton nes, ${\leq}85\%$ +manmade fibre, ${\geq}200{\rm g},{\rm yarn}$ dye | -0.449 |
| 71 | 521151 | Plain weave cotton , ${\leq}85\%$ +manmade fibre, ${\geq}200\mathrm{g},$ prin | 1.158 |
| 72 | 521159 | Woven cotton nes, $\leq 85\%$ +manmade fibre, ≥ 200 g, printed | -0.394 |
| 73 | 521225 | Woven cotton fabric, ≥ 200 g/m2, printed, nes | -0.359 |
| 74 | 530911 | Woven fabric, $\geq\!\!85\%$ flax, unbleached or bleached | 0.188 |
| 75 | 530919 | Woven fabric, $\geq\!\!85\%$ flax, except unbleached or bleache | 0.129 |
| 76 | 530929 | Woven fabric of flax, ${\leq}85\%$ flax, except unbl/bleached | -0.094 |
| 77 | 551219 | Woven fabric $\geq\!\!85\%$ polyester staple fibres, nes | -0.468 |
| 78 | 551229 | Woven fabric ${\geq}85\%$ acrylic staple fibres, nes | 0.404 |
| 79 | 551299 | Woven fabric $\geq 85\%$ synthetic staple fibre nes | 0.582 |
| 80 | 551612 | Woven fabric ${\leq}85\%$ artificial staple fibres, dyed | 0.459 |
| 81 | 551613 | Woven fabric ${\leq}85\%$ artificial staple fibre, yarn dyed | 0.126 |
| 82 | 551624 | Woven fabric $\leq 85\%$ artif staple + manmade fil, printed | -0.321 |
| 83 | 551642 | Woven fabric $\leq 85\%$ artificial staple+cotton, dyed | -0.187 |
| 84 | 551643 | Woven fabric ${\leq}85\%$ artificial staple+cotton, yarn dyed | -1.223 |
| 85 | 551644 | Woven fabric $\leq 85\%$ artificial staple+cotton, printed | -0.481 |
| 86 | 551692 | Woven fabric ${\leq}85\%$ artificial staples, dyed, nes | -0.016 |
| 87 | 551693 | Woven fabric ${\leq}85\%$ artificial staples, yarn dyed, nes | 0.159 |
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|------------------------------|-----------|--|--------|--|
| Product code | HS6 rev.2 | Description | Premia | |
| 88 | 551694 | Woven fabric ${\leq}85\%$ artificial staples, printed, nes | 0.380 | |
| 89 | 610421 | Womens, girls ensembles, of wool or hair, knit | 0.817 | |
| 89 | 610422 | Womens, girls ensembles, of cotton, knit | - | |
| 89 | 610423 | Womens, girls ensembles, synthetic fibres, knit | - | |
| 89 | 610429 | Womens, girls ensembles, of material nes, knit | - | |
| 90 | 610431 | Womens, girls jackets & blazers, of wool or hair,knit | 0.426 | |
| 90 | 610432 | Womens, girls jackets & blazers, of cotton, knit | 0.793 | |
| 90 | 610433 | Womens, girls jackets, blazers, synthetic fibres, kni | 0.626 | |
| 90 | 610439 | Womens, girls jackets & blazers, material nes, knit | 0.885 | |
| 91 | 610441 | Womens, girls dresses, of wool or hair, knit | 0.555 | |
| 91 | 610442 | Womens, girls dresses, of cotton, knit | -0.204 | |
| 91 | 610443 | Womens, girls dresses, of synthetic fibres, knit | 1.463 | |
| 91 | 610444 | Womens, girls dresses, of artificial fibres, knit | - | |
| 91 | 610449 | Womens, girls dresses, of material nes, knit | 0.792 | |
| 92 | 610451 | Womens, girls skirts, of wool or hair, knit | 0.491 | |
| 92 | 610452 | Womens, girls skirts, of cotton, knit | - | |
| 92 | 610453 | Womens, girls skirts, synthetic fibres, knit | 0.373 | |
| 92 | 610459 | Womens, girls skirts, of material nes, knit | 0.745 | |
| 93 | 610461 | Womens, girls trousers & shorts, of wool hair, knit | 0.603 | |
| 93 | 610462 | Womens, girls trousers & shorts, of cotton, knit | 0.690 | |
| 93 | 610463 | Womens, girls trousers, shorts, synthetic fibres, kni | 0.537 | |
| 93 | 610469 | Womens, girls trousers & shorts, material nes, knit | 0.487 | |
| 94 | 610510 | Mens, boys shirts, of cotton, knit | 0.181 | |
| 95 | 610520 | Mens, boys shirts, of manmade fibres, knit | 0.253 | |
| 96 | 610590 | Mens, boys shirts, of materials nes, knit | - | |
| 97 | 611010 | Pullovers, cardigans etc of wool or hair, knit | - | |
| 98 | 611020 | Pullovers, cardigans etc of cotton, knit | 0.567 | |
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|------------------------------|---------------|---|--------|--|--|
| Product code | HS6 rev.2 | Description | Premia | | |
| 99 | 611030 | Pullovers, cardigans etc of manmade fibres, knit | 1.070 | | |
| 100 | 611090 | Pullovers, cardigans etc of material nes knit | 0.603 | | |
| 101 | 611241 | Womens, girls swimwear, synthetic fibres, knit | 1.336 | | |
| 101 | 611249 | Womens, girls swimwear, of material nes, knit | 0.093 | | |
| 102 | 611410 | Garments nes, of wool or fine animal hair, knit | -0.241 | | |
| 103 | 611420 | Garments nes, of cotton, knit | 0.222 | | |
| 104 | 611430 | Garments nes, of manmade fibres, knit | 0.457 | | |
| 105 | 611490 | Garments nes, of materials nes, knit | -0.106 | | |
| 106 | 620311 | Mens, boys suits, of wool or hair, not knit | 0.543 | | |
| 106 | 620312 | Mens, boys suits, synthetic fibres, not knit | 1.402 | | |
| 106 | 620319 | Mens, boys suits, of material nes, not knit | 0.080 | | |
| 107 | 620321 | Mens, boys ensembles, of wool or hair, not knit | -0.480 | | |
| 107 | 620322 | Mens, boys ensembles, of cotton, not knit | - | | |
| 107 | 620323 | Mens, boys ensembles, synthetic fibres, not knit | - | | |
| 107 | 620329 | Mens, boys ensembles, of material nes, not knit | - | | |
| 108 | 620331 | Mens, boys jackets & blazers, wool or hair, not knit | 0.341 | | |
| 108 | 620332 | Mens, boys jackets & blazers, of cotton, not knit | 0.786 | | |
| 108 | 620333 | Mens, boys jackets, blazers, synthetic fibre, not kni | - | | |
| 108 | 620339 | Mens, boys jackets & blazers, material nes, not knit | 0.963 | | |
| 109 | 620341 | Mens, boys trousers & shorts, wool or hair, not knit | 0.493 | | |
| 109 | 620342 | Mens, boys trousers & shorts, of cotton, not knit | 1.042 | | |
| 109 | 620343 | Mens, boys trousers shorts, synthetic fibre, not knit | 0.696 | | |
| 109 | 620349 | Mens, boys trousers & shorts, material nes, not knit | 0.776 | | |
| 110 | 620411 | Womens, girls suits, of wool or hair, not knit | -0.070 | | |
| 110 | 620412 | Womens, girls suits, of cotton, not knit | 0.400 | | |
| 110 | 620413 | Womens, girls suits, synthetic fibres, not knit | 0.967 | | |
| 110 | 620419 | Womens, girls suits, of material nes, not knit | -0.058 | | |
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|------------------------------|-----------|--|--------|--|
| Product code | HS6 rev.2 | Description | Premia | |
| 111 | 620421 | Womens, girls ensembles, of wool or hair, not knit | 0.317 | |
| 111 | 620422 | Womens, girls ensembles, of cotton, not knit | 0.871 | |
| 111 | 620423 | Womens, girls ensembles, synthetic fibres, not knit | 1.333 | |
| 111 | 620429 | Womens, girls ensembles, material nes, not knit | 1.106 | |
| 112 | 620431 | Womens, girls jackets, blazers, wool or hair, not kni | 0.680 | |
| 112 | 620432 | Womens, girls jackets & blazers, of cotton, not knit | 0.268 | |
| 112 | 620433 | Womens, girls jackets, blazers, synth fibres, not kni | 0.962 | |
| 112 | 620439 | Womens, girls jackets & blazers, material nes, not kni | 0.375 | |
| 113 | 620441 | Womens, girls dresses, of wool or hair, not knit | 0.587 | |
| 113 | 620442 | Womens, girls dresses, of cotton, not knit | 1.188 | |
| 113 | 620443 | Womens, girls dresses, synthetic fibres, not knit | 0.565 | |
| 113 | 620444 | Womens, girls dresses, of artificial fibres, not knit | 0.784 | |
| 113 | 620449 | Womens, girls dresses, of material nes, not knit | 1.002 | |
| 114 | 620451 | Womens, girls skirts, of wool or hair, not knit | 0.569 | |
| 114 | 620452 | Womens, girls skirts, of cotton, not knit | 0.605 | |
| 114 | 620453 | Womens, girls skirts, synthetic fibres, not knit | 0.651 | |
| 114 | 620459 | Womens, girls skirts, of material nes, not knit | 0.741 | |
| 115 | 620461 | Womens, girls trousers, shorts, wool or hair, not kni | -0.194 | |
| 115 | 620462 | Womens, girls trousers & shorts, of cotton, not knit | 0.654 | |
| 115 | 620463 | Womens, girls trousers, shorts, synth fibres, not kni | 0.355 | |
| 115 | 620469 | Womens, girls trousers, shorts, material nes, not kni | 0.397 | |
| 116 | 620510 | Mens, boys shirts, of wool or hair, not knit | - | |
| 117 | 620520 | Mens, boys shirts, of cotton, not knit | 0.260 | |
| 118 | 620530 | Mens, boys shirts, of manmade fibres, not knit | - | |
| 119 | 620590 | Mens, boys shirts, of material nes, not knit | 0.327 | |
| 120 | 620910 | Babies garments, accessories of wool or hair, not kni | - | |
| 121 | 620920 | Babies garments, accessories of cotton, not knit | 0.715 | |
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|------------------------------|-----------|---|--------|--|
| Product code | HS6 rev.2 | Description | Premia | |
| 122 | 620930 | Babies garments, accessories synthetic fibre, not kni | - | |
| 123 | 620990 | Babies garments, accessories of material nes, not kni | 0.982 | |
| 124 | 621010 | Garments made up of textile felts and nonwoven fabric | 1.240 | |
| 125 | 621040 | Mens, boys garments nes, made up of impregnated fabri | 1.015 | |
| 126 | 621050 | Womens, girls garments nes, of impregnated fabric | 0.647 | |
| 129 | 621111 | Mens, boys swimwear, not knit | 0.291 | |
| 130 | 621112 | Womens, girls swimwear, not knit | -0.018 | |
| 127 | 621131 | Mens, boys garments nes, of wool or hair, not knit | - | |
| 127 | 621132 | Mens, boys garments nes, of cotton, not knit | 0.953 | |
| 127 | 621133 | Mens, boys garments nes, of manmade fibres, not knit | 0.607 | |
| 127 | 621139 | Mens, boys garments nes, of material nes, not knit | 0.894 | |
| 128 | 621141 | Womens, girls garments nes, of wool or hair, not knit | 0.481 | |
| 128 | 621142 | Womens, girls garments nes, of cotton, not knit | 0.010 | |
| 128 | 621143 | Womens, girls garments nes, manmade fibres, not knit | 0.113 | |
| 128 | 621149 | Womens, girls garments nes, material nes, not knit | -0.010 | |
| 131 | 621210 | Brassieres and parts thereof | 0.003 | |
| 132 | 621290 | Corsets, braces and parts thereof | -0.125 | |
| 133 | 621410 | Shawls, scarves, etc, of silk etc, not knit | 0.046 | |
| 134 | 621420 | Shawls, scarves, etc, of wool or hair, not knit | 0.235 | |
| 135 | 621430 | Shawls, scarves, etc, synthetic fibres, not knit | 0.787 | |
| 136 | 621440 | Shawls, scarves, etc, of artificial fibres, not knit | 0.330 | |
| 137 | 621490 | Shawls, scarves, etc, of material nes, not knit | 0.579 | |
| 138 | 630210 | Bed linen, of textile knit or crochet materials | 0.822 | |
| 138 | 630221 | Bed linen, of cotton, printed, not knit | 0.782 | |
| 138 | 630222 | Bed linen, of manmade fibres, printed, not knit | - | |
| 138 | 630229 | Bed linen, of material nes, printed, not knit | -0.229 | |
| 138 | 630231 | Bed linen, of cotton, nes | 1.044 | |
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|------------------------------|-----------|---|--------|
| Product code | HS6 rev.2 | Description | Premia |
| 138 | 630232 | Bed linen, of manmade fibres, nes | 0.112 |
| 138 | 630239 | Bed linen, of material nes, nes | 0.753 |
| 139 | 630240 | Table linen, of textile knit or crochet materials | 0.610 |
| 139 | 630251 | Table linen, of cotton, not knit | 0.220 |
| 139 | 630252 | Table linen, of flax, not knit | -0.198 |
| 139 | 630253 | Table linen, of manmade fibres, not knit | - |
| 139 | 630259 | Table linen, of material nes, not knit | - |
| 140 | 630260 | Toilet or kitchen linen, of cotton terry towelling | -0.187 |
| 140 | 630291 | Toilet or kitchen linen, of cotton, nes | 0.674 |
| 140 | 630292 | Toilet or kitchen linen, of flax | - |
| 140 | 630293 | Toilet or kitchen linen, of manmade fibres | - |
| 140 | 630299 | Toilet or kitchen linen, of material nes | -0.307 |
| 141 | 640319 | Sports footwear, except ski, uppers of leather | 0.818 |
| 141 | 640320 | Footwear, soles/uppers leather, strap instep & big to | 0.337 |
| 141 | 640330 | Footwear, wood base, uppers leather, no inner sole | - |
| 141 | 640340 | Footwear, uppers of leather with metal toe-cap, nes | - |
| 141 | 640351 | Footwear, soles, uppers of leather, over ankle, nes | 0.708 |
| 141 | 640359 | Footwear, outer soles and uppers of leather, nes | 0.698 |
| 141 | 640391 | Boots, sole rubber or plastic upper leather, nes | 0.552 |
| 141 | 640399 | Footwear, sole rubber, plastics uppers of leather, ne | 0.913 |
| 142 | 640510 | Footwear, nes, uppers leather | 0.614 |
| 142 | 640520 | Footwear, nes, upper textile material | 1.457 |
| 142 | 640590 | Footwear, nes | 1.433 |
| 143 | 691110 | Tableware and kitchenware of porcelain or china | 0.175 |
| 144 | 691190 | Household & toilet articles nes of porcelain or china | 0.048 |
| 145 | 691200 | Ceramic housewares, except of porcelain or china | 0.531 |
| 146 | 691310 | Statuettes & ornamental articles of porcelain or chin | -0.033 |
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|------------------------------|-----------|---|--------|--|
| Product code | HS6 rev.2 | Description | Premia | |
| 147 | 691390 | Ceramic statuettes, ornamental articles, not porcelai | 0.685 | |
| 148 | 701310 | Glass-ceramic ware for table kitchen, etc | 0.713 | |
| 149 | 701321 | Drinking glasses of lead crystal | 0.123 | |
| 149 | 701329 | Drinking glasses, except lead crystal or glass cerami | 0.530 | |
| 150 | 701331 | Lead crystal table, kitchen glass (not drink glasses) | 0.242 | |
| 150 | 701332 | Table, kitchenware of low expansion glass (Pyrex etc) | - | |
| 150 | 701339 | Glass table or kitchenware, except low expansion glas | 0.396 | |
| 151 | 701391 | Glassware except kitchen, table ware, of lead crystal | -0.611 | |
| 151 | 701399 | Glassware, not kitchen or table ware, not lead crysta | -0.272 | |
| 152 | 710110 | Pearls natural, not permanently mounted or set | - | |
| 153 | 710121 | Pearls cultured unworked | - | |
| 154 | 710122 | Pearls cultured worked, not mounted or set | -1.086 | |
| 155 | 710239 | Diamonds (jewellery) worked but not mounted or set | -1.181 | |
| 156 | 710391 | Rubies, sapphires and emeralds worked but not set | 1.357 | |
| 156 | 710399 | Precious & semi-precious stones, nes, worked, not set | -0.116 | |
| 157 | 711311 | Jewellery and parts, silver, including plated silver | -0.538 | |
| 158 | 711319 | Jewellery and parts of precious metal except silver | -2,369 | |
| 159 | 711320 | Jewellery, parts, base metal clad with precious metal | -0.654 | |
| 160 | 711411 | Silver wares, silver ware plated with precious metal | -0.169 | |
| 161 | 711419 | Gold/silversmith wares of/clad with precious metal ne | -1.131 | |
| 162 | 711420 | Gold, silversmith wares, base clad with precious meta | -0.205 | |
| 163 | 711711 | Cuff-links and studs of base metal, plated or not | - | |
| 164 | 711719 | Imitation jewellery nes of base metal including plate | -0.553 | |
| 165 | 711790 | Imitation jewellery nes | -1.174 | |
| 166 | 732391 | Table/kitchen articles, parts, unenamelled cast iron | - | |
| 166 | 732392 | Table/kitchen articles, parts, enamelled cast iron | - | |
| 166 | 732393 | Table/kitchen articles, parts, stainless steel | 0.709 | |
| See next page | | | | |

| continued from previous page | | | | | |
|------------------------------|---------------|---|--------|--|--|
| Product code | HS6 rev.2 | Description | Premia | | |
| 166 | 732394 | Table/kitchen articles, parts, enamelled iron or stee | 0.043 | | |
| 166 | 732399 | Table/kitchen articles, parts, of iron or steel, nes | 0.276 | | |
| 167 | 741819 | | 0.693 | | |
| 168 | 821110 | Sets of different knives, cutlery sets | 0.510 | | |
| 169 | 821191 | Table knives | 0.427 | | |
| 170 | 821193 | Pocket/pen/other knives with folding blades | 0.021 | | |
| 171 | 821510 | Cutlery sets plated with precious metal | 1.153 | | |
| 172 | 821520 | Cutlery sets, articles, not plated with precious meta | 0.888 | | |
| 173 | 821591 | Cutlery not in sets, plated with precious metal | -0.796 | | |
| 174 | 821599 | Cutlery not in sets, not plated with precious metal | 0.030 | | |
| 175 | 910111 | Wrist-watch, precious metal, battery, with hands | -0.648 | | |
| 176 | 910112 | Wrist-watch, precious metal, battery, opto/electric | - | | |
| 177 | 910119 | Wrist-watch, precious metal, battery, other | - | | |
| 178 | 910121 | Wrist-watch, precious metal, automatic wound | - | | |
| 179 | 910129 | Wrist-watch, precious metal, hand wound | - | | |
| 180 | 910191 | Pocket-watch, precious-metal case, battery | - | | |
| 181 | 910199 | Pocket-watch, precious-metal case, non-battery | - | | |
| 182 | 940150 | Seats of cane, osier, bamboo or similar materials | - | | |
| 182 | 940161 | Seats with wooden frames, upholstered nes | 0.010 | | |
| 182 | 940169 | Seats with wooden frames, nes | 0.565 | | |
| 182 | 940171 | Seats with metal frames, upholstered nes | 1.172 | | |
| 182 | 940179 | Seats with metal frames, nes | 0.402 | | |
| 182 | 940180 | Seats nes | 0.038 | | |
| 183 | 940310 | Office furniture, metal, nes | 0.684 | | |
| 184 | 940320 | Furniture, metal, nes | -0.051 | | |
| 183 | 940330 | Office furniture, wooden, nes | 0.733 | | |
| 185 | 940350 | Bedroom furniture, wooden, nes | 1.190 | | |
| | See next page | | | | |

| continued from previous page | | | |
|------------------------------|-----------|--|--------|
| Product code | HS6 rev.2 | Description | Premia |
| 184 | 940360 | Furniture, wooden, nes | -0.136 |
| 184 | 940370 | Furniture, plastic, nes | 0.134 |
| 184 | 940380 | Furniture of cane, materials nes | -0.136 |
| 186 | 940390 | Furniture parts nes | 0.436 |
| 188 | 940510 | Chandeliers, other electric ceiling or wall lights | -0.524 |
| 189 | 940520 | Electric table, desk, bedside and floor lamps | -0.057 |
| 190 | 940540 | Electric lamps, lighting fittings, nes | -0.029 |
| 191 | 940550 | Non-electrical lamps and lighting fittings | -0.214 |
| 192 | 940560 | Illuminated signs, illuminated nameplates etc | -0.452 |
| 187 | 940591 | Lamp and lighting fitting parts of glass | 0.011 |
| 187 | 940592 | Lamp and lighting fitting parts of plastics | - |
| 187 | 940599 | Lamp and lighting fitting parts except glass/plastic | 0.027 |
| 193 | 960810 | Ball point pens | 0.130 |
| 193 | 960820 | Felt tipped, other porous-tipped pens and markers | 0.605 |
| 193 | 960831 | Indian ink drawing pens | - |
| 193 | 960839 | Fountain pens, stylograph pens and other pens, nes | 0.513 |
| 193 | 960840 | Propelling or sliding pencils | 0.652 |
| 193 | 960850 | Sets of articles of mixed types of pens/pencils | -1.041 |
| 194 | 960860 | Refills for ball point pens | 1.094 |
| 195 | 960891 | Pen nibs, nib points nes | 0.510 |
| 196 | 960899 | Duplicating stylos, pen/pencil holders, pen parts | -0.749 |
| 197 | 961310 | Pocket lighters, gas-fuelled, non-refillable | 1.081 |
| 197 | 961320 | Pocket lighters, gas-fuelled, refillable | 1.326 |
| 197 | 961330 | Table lighters | - |
| 197 | 961380 | Lighters, nes | -0.136 |
| 198 | 961390 | Parts of lighters, other than flints/wicks | 0.979 |

| Table 2: | End |
|----------|-----|
|----------|-----|

3 Methodological appendix

This appendix describes different robustness checks regarding our measure of high-endness. It also compares our measure to other mesures used in the literature.

3.1 Robustness tests

Alternative procedures to identify high-end firms. We implemented three alternative procedures to identify high-end firms. The main message is that our findings are robust to these alternative ways of identifying high-end exporters.

The first two procedures we implement are the following. As for the benchmark procedure, for each hs6 product separately, we first regressed firm-country-year unit values on country-year fixed effects and firm-year fixed effects. Then:

- Method 1. For each hs6 product, we computed the firm average fixed effect and we applied our baseline procedure using these firm-level average fixed effects. A firm is defined as a high-end exporter when 85% of its sales correspond to trade flows for which the firm-hs6 average fixed effect is at least equal to the first quartile of the average fixed effects measured for this same hs6 product among Colbert firms. The overlap between the two lists of high-end variety exporters is huge: 85% of the firms identified as high-end exporters with this approach are also identified as high-end exporters with our baseline method.
- Method 2. We authorized the set of high-end exporters to vary each year. A firm is then defined as a high-end exporter in a given year if at least 85% of its sales correspond to trade flows for which the firm-hs6 fixed effect in that year is at least equal to the first quartile of the fixed effects measured for the same hs6 product and the same year among Colbert firms. The overlap between the two lists of high-end variety exporters is less impressive but still very large: 70% of the firm-year pairs identified as high-end exporters with this approach correspond to firms that are also identified as high-end exporters with our baseline method.

We then checked that our descriptive analysis of the geographic distribution of exports for high- and low-end variety exporters holds. The graphs we obtain are actually very similar to those of Figure 2 in the paper. Moreover, the share of high-end exports in the overall exports of our sample is in both cases comprised between 30 and 38% over the period, as in our baseline analysis. We also ran the baseline estimation based on these two alternative methods to identify high-end exporters. The results based on the first method (method 1) are reported in Table 3. The results based on method 2 are presented in Table 4. The main message is that our findings are robust to these alternative ways of identifying high-end exporters, although less strikingly so for Method 2. With method 2, the premium in terms of distance elasticity is less marked than with our baseline regression; this suggests that allowing firms to switch variety type from one year to the other makes the results more noisy as we might pick some outlier/artifact observations.

| Dimensions | Product Category, High-end/Low-end, Destination | | | | | |
|-------------------------|---|----------------|---------------|----------|---------------|---------------|
| | (1) | (2) | (3) | (4) | (5) | (6) |
| | Exports | # firms | X/firm | Exports | # firms | X/firm |
| | | | | | | |
| $GDP/cap \ (log)$ | 0.624^{***} | 0.429^{***} | 0.195^{***} | - | - | - |
| | (7.286) | (7.247) | (4.433) | - | - | - |
| - \times HighEnd | 0.248^{***} | -0.001 | 0.249^{***} | 0.177*** | -0.038 | 0.216^{***} |
| | (4.681) | (-0.038) | (6.048) | (3.738) | (-1.207) | (5.787) |
| Pop. (\log) | 0.595^{***} | 0.590^{***} | 0.281^{***} | - | - | - |
| | (9.773) | (7.482) | (7.172) | - | - | - |
| - \times HighEnd | 0.030 | -0.059** | 0.088^{***} | -0.001 | -0.080*** | 0.079^{**} |
| | (0.754) | (-2.416) | (3.102) | (-0.030) | (-3.808) | (2.488) |
| Distance (log) | -0.785^{***} | -0.703^{***} | -0.083 | - | - | - |
| | (-7.369) | (-10.819) | (-1.349) | - | - | - |
| - \times HighEnd | 0.684^{***} | 0.486^{***} | 0.198^{***} | 0.725*** | 0.511^{***} | 0.213^{***} |
| | (8.507) | (11.095) | (3.576) | (8.898) | (12.253) | (3.783) |
| Observations | $17,\!838$ | $17,\!838$ | 17,838 | 17,838 | $17,\!838$ | 17,838 |
| R^2 | 0.324 | 0.494 | 0.145 | 0.633 | 0.765 | 0.485 |
| Product-Variety type FE | Yes | Yes | Yes | Yes | Yes | Yes |
| Country FE | No | No | No | Yes | Yes | Yes |

Table 3: Determinants of Exports for High- and Low-End Varieties - alternative definition (1)

This table presents product-variety type-destination country level regressions of the log of exported values (col. 1-4), the number of exporting firms (col.2-5), and the average value of exports per firm (col. 3-6) on the log of GDP per capita, the log of population, and the log of distance. These variables are interacted with a dummy equal to one for high-end variety trade flows (including varieties exported by the Comité Colbert). The data are for the year 2005. T-stat computed from standard errors clustered at the country level are reported between parentheses. *, **, and *** indicate significance at the 10, 5, and 1 percent level.

Also, using Colbert firms as a benchmark to identify high-end variety exporters comes at a cost: we have to focus on products in which Colbert firms are active. As a alternative, we could conserve in our sample all the products and choose an arbitrary threshold for the definition of high-end variety export flows. This is what we propose in Method 3.

| Dimensions | Pro | oduct Categ | ory, High-e | nd/Low-en | d, Destinat | ion |
|-------------------------|----------------|----------------|---------------|-----------|---------------|---------------|
| | (1) | (2) | (3) | (4) | (5) | (6) |
| | Exports | # firms | X/firm | Exports | # firms | X/firm |
| | | | | | | |
| $GDP/cap \ (log)$ | 0.607^{***} | 0.414^{***} | 0.193^{***} | - | - | - |
| | (7.273) | (7.127) | (4.415) | - | - | - |
| - \times HighEnd | 0.223^{***} | 0.034 | 0.189^{***} | 0.187*** | 0.015 | 0.172^{***} |
| | (5.259) | (1.168) | (5.581) | (4.550) | (0.564) | (5.234) |
| Pop. (log) | 0.595^{***} | 0.588^{***} | 0.275^{***} | - | - | - |
| | (9.910) | (7.425) | (7.313) | - | - | - |
| - \times HighEnd | 0.022 | -0.023 | 0.045^{*} | 0.009 | -0.040** | 0.048^{*} |
| | (0.650) | (-1.082) | (1.867) | (0.240) | (-2.011) | (1.737) |
| Distance (log) | -0.795^{***} | -0.714^{***} | -0.080 | - | - | - |
| | (-7.562) | (-11.005) | (-1.335) | - | - | - |
| - \times HighEnd | 0.583^{***} | 0.430^{***} | 0.153^{***} | 0.613*** | 0.452^{***} | 0.161^{***} |
| | (7.897) | (10.237) | (3.294) | (8.050) | (10.889) | (3.329) |
| Observations | 18,704 | 18,704 | 18,704 | 18,704 | 18,704 | 18,704 |
| R^2 | 0.321 | 0.491 | 0.136 | 0.622 | 0.752 | 0.471 |
| Product-Variety type FE | Yes | Yes | Yes | Yes | Yes | Yes |
| Country FE | No | No | No | Yes | Yes | Yes |

Table 4: Determinants of Exports for High- and Low-End Varieties - alternative definition (2)

This table presents product-variety type-destination country level regressions of the log of exported values (col. 1-4), the number of exporting firms (col.2-5), and the average value of exports per firm (col. 3-6) on the log of GDP per capita, the log of population, and the log of distance. These variables are interacted with a dummy equal to one for high-end variety trade flows (including varieties exported by the Comité Colbert). The data are for the year 2005. T-stat computed from standard errors clustered at the country level are reported between parentheses. *, **, and *** indicate significance at the 10, 5, and 1 percent level.

• Method 3. We follow the exact same procedure as before. The only difference is that now, instead of using Colbert firms as a benchmark, we assume that firms in the top 20% in terms of unit values (net of country fixed effects) are the high-end variety exporters.

Results are a bit obscured. First, while Colbert firms still appear much bigger than the others in all dimensions, low-price variety exporters appear now bigger than high-price ones (Colbert firms excluded) in terms of number of products, number of countries, number of transactions or value of exports: the figures are respectively 9 vs 4.2, 6.7 vs 4.2, 24.7 vs 11.1 and 4.6 million vs 3.9 million. In terms of average distance of exports, low-price variety exporters still export to closer countries than high-price ones, but the difference is less striking (2,544km vs 3,199km).¹ All these elements are more in line with models where firms are heterogeneous in terms of productivity, high-price firms being low-productivity firms. This suggests that the

¹Median values for these variables are respectively equal to 3 vs 3, 3 vs 2, 6 vs 2, 0.14 million vs 0.08 million, and 1,301km vs 1,506km.

identification of high-end variety exporters is much fuzzier when considering all sectors and using an arbitrary threshold in terms of unit values. Does the method make a difference for our econometric results? Table 5 displays the results of the baseline estimation on this new sample. Qualitatively, the results are the same with this method as with the method using information on Colbert firms. Quantitatively, the results are substantially different. In particular, high-end exports identified on the basis of unit values only are 53% less sensitive to distance as low-end ones. As a reminder, the difference raises to 90% in the sample defining high-end exporters from information on Colbert firms.

These results suggest that using Colbert brands as a benchmark is really key to pick up firms with very specific characteristics. The fuzzier approach based on an arbitrary threshold in terms of unit values gives less marked results for two reasons. First, the price threshold for being high-end certainly changes across products. Second, there is more room for "high-endness" differentiation in some products than in others. Information on Colbert firms allows us to focus on these products.

3.2 Comparisons

Quality rating of Champagne producers. Quality has been emphasized recently as an important dimension of differentiation in the trade literature. In Table 6 we present a comparison of our definition of high-end variety exporters to a well-known measure of quality. We focus on champagne exporters and use, as in Crozet, Head & Mayer (2012), Juhlin's rating as a measure of quality.² While high-end exporters represent a very small share of one- to three-star champagne producers, 49% and 87.5% of four- and five-star champagne exporters are high-end variety exporters. These figures confirm for the champagne industry that quality and our definition of high-end varieties are positively correlated.

KSW measure of quality. We also follow the approach developed by Khandelwal, Schott & Wei (2013) (hereafter KSW). The KSW method assumes that the underlying preferences are CES. This method allows us to pick out a measure of quality for each firm - quality being defined as any attribute of a firm that shifts its sales controlling for price.

We adopt the following procedure:

²We thank the authors for sharing with us their data on Juhlin's ratings.

| Dimensions | Pı | roduct Cate | gory, High-e | end/Low-end | d, Destinatio | on |
|-------------------------|----------------|----------------|----------------|---------------|----------------|---------------|
| | (1) | (2) | (3) | (4) | (5) | (6) |
| | Exports | # firms | X/firm | Exports | # firms | X/firm |
| | | | | | | |
| $GDP/cap \ (log)$ | 0.447^{***} | 0.201^{***} | 0.246^{***} | - | - | - |
| | (7.127) | (5.403) | (7.102) | - | - | - |
| - \times HighEnd | 0.068^{*} | 0.043^{**} | 0.025 | 0.033 | 0.023 | 0.010 |
| | (1.679) | (2.155) | (0.784) | (0.976) | (1.324) | (0.383) |
| Pop. (\log) | 0.665^{***} | 0.240^{***} | 0.425^{***} | - | - | - |
| | (11.334) | (8.255) | (10.932) | - | - | - |
| - \times HighEnd | -0.057^{**} | -0.035** | -0.022 | -0.091*** | -0.055^{***} | -0.036** |
| | (-2.013) | (-2.109) | (-1.219) | (-3.830) | (-4.157) | (-2.285) |
| Distance (log) | -0.692^{***} | -0.547^{***} | -0.145^{***} | - | - | - |
| | (-6.987) | (-9.655) | (-2.843) | - | - | - |
| - \times HighEnd | 0.371^{***} | 0.237^{***} | 0.134^{***} | 0.442^{***} | 0.274^{***} | 0.168^{***} |
| | (7.680) | (8.656) | (3.863) | (8.588) | (9.366) | (4.751) |
| Observations | 232,980 | 232,980 | 232,980 | 232,980 | 232,980 | $232,\!980$ |
| R^2 | 0.249 | 0.398 | 0.129 | 0.556 | 0.678 | 0.492 |
| Product-Variety type FE | Yes | Yes | Yes | Yes | Yes | Yes |
| Country FE | No | No | No | Yes | Yes | Yes |

Table 5: Determinants of Exports for High- and Low-End Varieties - alternative definition (3)

This table presents product-variety type-destination country level regressions of the log of exported (col. 1-4), the number of exporting firms (col.2-5), and the average value of exports per firm (col. 3-6) on the log of GDP per capita, the log of population, and the log of distance. These variables are interacted with a dummy equal to one for high-end variety trade flows. High-end exports are product-level exports made up by high-end variety exporters. Here we use an alternative definition of high-exporters: firms whose unit values are in the top 20%. The data are for the year 2005. T-stat computed from standard errors clustered at the country level are reported between parentheses. *, **, and *** indicate significance at the 10, 5, and 1 percent level.

Table 6: Share of High-End Variety Champagne Exporters by Quality Range (Juhlin's Rating)

| Juhlin's rate | Share of high-end |
|---------------|--------------------------|
| | variety exporters $(\%)$ |
| 1* | 4.3 |
| 2* | 10.0 |
| 3* | 13.8 |
| 4* | 49.0 |
| 5* | 87.5 |

• First, we estimate firm-level quality as the residual of the following equation

$$\log(q_{fkct}) + \sigma_k \log(uv_{fkct}) = FE_{kct} + (\sigma_k - 1)\lambda_{fk} + \epsilon_{fkct}$$

where q_{fkct} and uv_{fkct} are the quantity and price charged by firm f for product k sold to

country c at time t, FE_{kct} is a country-product-time fixed effect, λ_{fk} is the log of the firmproduct-specific demand shifter and σ_k is the product-specific elasticity of substitution. We observe the prices and quantities, and calibrate σ_k using the Broda and Weinstein (2003) data. The firm-product log quality is simply the firm-product fixed effects estimated from this equation divided by $\sigma_k - 1$.

• A firm product is classified as high quality if λ_{fk} is at least equal to the first quartile of this same quality measure estimated for the same hs6 product among Colbert firms. A firm is then said to be a high-end variety exporter if at least 85% of the value of its exports corresponds to high-quality exports.

Figure 2: Distribution of firms' exports (log)



The correlation between this KSW measure and the measure used in the paper reaches 81%. The main difference between the two measures is that we identify more high-quality firms than high-end firms (9,913 vs 8,253). Among high-end firms, 94% are also identified as exporting high-quality varieties. An interesting difference between high-end firms and KSW firms is their size. The median value of exports of high-end firms is 82,000 euros vs 127,000 for KSW firms. The distribution of the log of exports of KSW and high-end firms is plotted in Figure 2. This figure confirms that KSW firms are larger than high-end ones. Notice that our method does not impose any restriction on the size of firms. It only compares the prices of firms relative to

the prices of firms exogeneously identified as high-end. By contrast, the KSW method considers that high-quality firms are firms that sell greater quantities, conditional on prices. Hence, firms selling very large quantities at a relatively low price are likely to be considered as high-quality firms.

In Table 7 of this letter, we present the results of the baseline regression in which luxury firms are firms producing high-quality goods - as defined by KSW. The estimated coefficients are in line with those estimated with our high-end measure. The effects are slightly less marked however. For instance, while high-quality varieties are less sensitive to distance than low-quality ones, they are still significantly impacted by this variable with an elasticity to distance of -0.20 (column 1). This contrasts with our results for high-end varieties whose elasticity to distance is below -0.08. To sum up, these results show that our measure of high-endness is very much correlated with a measure of quality à la KSW. Still, this correlation is not perfect. More specifically, our method allows us to identify a population of firms, which is partly composed of smaller firms and turns out to be even less sensitive to distance.

3.3 Alternative samples of countries

In Table 8, we remove China, Japan, and the US in columns 1-2, 3-4, and 5-6 respectively. In the last two columns we remove the three countries together. We find that the results are robust to dropping these countries and similar in magnitude to the ones presented for the full sample in Table 2 of the paper. Even in the most restrictive exercise (columns 7-8), we estimate coefficients very close to the ones estimated in the baseline table. For instance, the effect of distance on the value of exports was -0.79 and the coefficient on the interaction of distance with the high-end dummy was .71 in the baseline (Table 2, column 1). Once China, Japan and the US are excluded, we find that the coefficient on distance is -0.82 and the coefficient on the interaction of distance and high-end is .69.

| Dimensions | Pro | oduct Categ | ory, High-e | nd/Low-en | d, Destinati | on |
|-------------------------|---------------|---------------|---------------|-----------|----------------|---------------|
| | (1) | (2) | (3) | (4) | (5) | (6) |
| | Exports | # firms | X/firm | Exports | # firms | X/firm |
| | | | | | | |
| $GDP/cap \ (log)$ | 0.601^{***} | 0.425^{***} | 0.176^{***} | - | - | - |
| | (7.067) | (7.133) | (3.999) | - | - | - |
| $- \times \text{KSW}$ | 0.277^{***} | 0.005 | 0.271^{***} | 0.211*** | -0.029 | 0.240^{***} |
| | (5.784) | (0.157) | (7.083) | (4.878) | (-0.954) | (6.877) |
| Pop. (log) | 0.588^{***} | 0.282^{***} | 0.306^{***} | - | - | - |
| | (9.759) | (7.453) | (7.103) | - | - | - |
| $- \times \text{KSW}$ | 0.030 | -0.055^{**} | 0.085^{***} | 0.002 | -0.075^{***} | 0.077^{***} |
| | (0.772) | (-2.318) | (3.173) | (0.041) | (-3.572) | (2.651) |
| Distance (log) | -0.778*** | -0.706*** | -0.072 | - | _ | _ |
| | (-7.347) | (-10.794) | (-1.189) | - | - | - |
| $- \times \text{KSW}$ | 0.561^{***} | 0.452^{***} | 0.110^{**} | 0.603*** | 0.480^{***} | 0.123^{**} |
| | (7.795) | (11.199) | (2.138) | (8.273) | (12.391) | (2.357) |
| Observations | 18,264 | 18,264 | 18,264 | 18,264 | 18,264 | 18,264 |
| R^2 | 0.320 | 0.491 | 0.140 | 0.624 | 0.760 | 0.478 |
| Product-Variety type FE | Yes | Yes | Yes | Yes | Yes | Yes |
| Country FE | No | No | No | Yes | Yes | Yes |

Table 7: Determinants of Exports for High- and Low- (KSW) Quality Varieties

This table presents product-variety type-destination country level regressions of the log of exported values (col. 1-4), the number of exporting firms (col.2-5), and the average value of exports per firm (col. 3-6) on the log of GDP per capita, the log of population, and the log of distance. These variables are interacted with a dummy equal to one for high quality variety trade flows. High-quality trade flows are identified using the KSW procedure developed above. The data are for the year 2005. T-stat computed from standard errors clustered at the country level are reported between parentheses. *, **, and *** indicate significance at the 10, 5, and 1 percent level.

| | samples |
|--------|------------|
| ., | lternative |
| | with a |
| • | regression |
| : - | baseline |
| | Lable S: |

| Dimensions | | PI | roduct Cate | gory, High-€ | and/Low-end | d, Destinatio | u | |
|---|----------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------|----------------|
| | (1) | (2) | (3) | (4) | (5) | (9) | (2) | (8) |
| | Exports | # firms | Exports | # firms | Exports | # firms | Exports | # firms |
| $GDP/cap \ (log)$ | 0.623^{***} | 0.428^{***} | 0.613^{***} | 0.416^{***} | 0.606^{***} | 0.414^{***} | 0.584^{***} | 0.394^{***} |
| | (7.384) | (7.244) | (6.947) | (6.865) | (6.890) | (6.796) | (6.498) | (6.435) |
| $- \times \text{HighEnd}$ | 0.238^{***} | -0.002 | 0.237^{***} | -0.003 | 0.228^{***} | -0.001 | 0.214^{***} | -0.004 |
| | (4.171) | (-0.057) | (3.924) | (-0.075) | (3.768) | (-0.016) | (3.274) | (-0.107) |
| $\operatorname{Pop.}(\operatorname{log})$ | 0.614^{***} | 0.288^{***} | 0.585^{***} | 0.272^{***} | 0.577^{***} | 0.269^{***} | 0.582^{***} | 0.261^{***} |
| | (10.000) | (7.315) | (9.488) | (7.133) | (9.254) | (6.932) | (8.685) | (6.246) |
| $- \times \text{HighEnd}$ | 0.008 | -0.063^{**} | 0.015 | -0.060** | 0.006 | -0.059^{**} | -0.007 | -0.062^{**} |
| | (0.181) | (-2.438) | (0.354) | (-2.448) | (0.149) | (-2.311) | (-0.158) | (-2.183) |
| Distance (log) | -0.786*** | -0.701^{***} | -0.807*** | -0.718^{***} | -0.807*** | -0.714^{***} | -0.821^{***} | -0.731^{***} |
| | (-7.463) | (-10.844) | (-7.390) | (-10.749) | (-7.439) | (-10.679) | (-7.336) | (-10.680) |
| $- \times \text{HighEnd}$ | 0.711^{***} | 0.491^{***} | 0.711^{***} | 0.492^{***} | 0.703^{***} | 0.495^{***} | 0.693^{***} | 0.493^{***} |
| | (8.526) | (11.111) | (8.124) | (10.844) | (8.203) | (11.020) | (7.634) | (10.636) |
| Sample |) 0/m | China | · o/m | Japan | w/o t | he US | w/o CN, | JP, US |
| Observations | 17,597 | 17,597 | 17,512 | 17,512 | $17,\!485$ | 17,485 | 16,920 | 16,920 |
| R^{2} | 0.327 | 0.495 | 0.318 | 0.496 | 0.304 | 0.489 | 0.300 | 0.493 |
| Product-Variety type FE | \mathbf{Yes} | $\mathbf{Y}^{\mathbf{es}}$ | $\mathbf{Y}_{\mathbf{es}}$ | $\mathbf{Y}_{\mathbf{es}}$ | $\mathbf{Y}_{\mathbf{es}}$ | $\mathbf{Y}_{\mathbf{es}}$ | \mathbf{Yes} | \mathbf{Yes} |
| This table presents pro | oduct-variety | type-destina | tion country | level regress | ions of the le | og of exporte | d values (col. | 1-3- |

5-7), and the number of exporting firms (col.2-4-6-8) on the log of GDP per capita, the log of population, and the log of distance. These variables are interacted with a dummy equal to one for high-end variety trade flows (including varieties exported by the Comité Colbert). The data are for the year 2005. We exclude French exports to China in columns 1-2, to Japan in columns 3-4, to the US in columns 5-6, and to these three countries in columns 7-8. T-stat computed from standard errors clustered at the country level are reported between parentheses. *, **, and *** indicate significance at the 10, 5, and 1 percent level.

4 List of Colbert firms

| Baccarat 1764 | Hôtel Le Bristol 1924 |
|---|---|
| Berluti 1895 | Hôtel du Palais 1893 |
| Bernardaud 1863 | Hôtel Plaza Athénée 1911 |
| Champagne Bollinger 1829 | Hôtel Ritz 1898 |
| Bonpoint 1975 | Jean Patou Paris 1925 |
| Boucheron 1858 | Jeanne Lanvin 1889 |
| Breguet 1775 | John Lobb 1899 |
| Bussière 1924 | Champagne Krug 1843 |
| Caron 1904 | Lacoste 1933 |
| Cartier 1847 | Lancôme 1935 |
| Celine 1945 | Le Meurice 1835 |
| Chanel 1912 | Lencôme 1957 |
| Parfums Chanel 1924 | Leonard 1943 |
| Château Cheval Blanc 1832 | Longchamp 1948 |
| Château Lafite-Rothschild 1855 | Lorenz Bäumer Joaillier 1992 |
| Château d'Yquem 1593 | Louis Vuitton 1854 |
| Chloé 1952 | La Maison du Chocolat 1977 |
| Christian Dior Couture 1947 | Martell 1715 |
| Parfums Christian Dior 1948 | Mellerio dits Meller 1613 |
| Christian Liaigre 1985 | Oustau de Baumanière 1945 |
| Christofle 1830 | Champagne Perrier-Jouët 1811 |
| D. Porthault 1924 | Pierre Balmain 1945 |
| Dalloyau 1682 | Pierre Frey 1935 |
| Delisle 1895 | Pierre Hardy 1999 |
| Diane de Selliers Editeur 1992 | Pierre Hermé Paris 1996 |
| Ercuis 1867 | Potel et Chabot 1820 |
| Eres 1968 | Puiforcat 1820 |
| Faïencerie de Gien 1821 | Cognac Rémy Martin 1724 |
| Flammarion Beaux Livres 1875 | Robert Haviland & C. Parlon 1924 |
| Editions de Parfums Frédéric Malle 2000 | Rochas 1925 |
| George V 1928 | Saint-Louis 1586 |
| Givenchy 1952 | S.T. Dupont 1872 |
| Parfums Givenchy 1957 | Taillevent 1946 |
| Guerlain 1828 | Van Cleef & Arpels 1906 |
| Hédiard 1854 | Champagne Veuve Clicquot Ponsardin 1772 |
| Hermès 1837 | Yves Delorme 1845 |
| Parfums Hermès 1948 | Yves Saint Laurent 1962 |
| Hervé Van der Straeten 1985 | Yves Saint Laurent Parfums 1962 |

Table 9: List of Members of the Comité Colbert

References

- Crozet, M., Head, K. & Mayer, T. (2012), 'Quality sorting and trade: Firm-level evidence for French wine', *Review of Economic Studies* 79(2), 609–644.
- Khandelwal, A. K., Schott, P. K. & Wei, S.-J. (2013), 'Trade Liberalization and Embedded Institutional Reform: Evidence from Chinese Exporters', American Economic Review 103(6), 2169–95.