

**Supplementary Table S1. Demographic and clinicopathologic characteristics of the study cohort**

<b>BRB lab #</b>	<b>Age @ Dx (yrs,months)</b>	<b>Ethnicity/ Language</b>	<b>Family History</b>	<b>Histology*</b>	<b>Grade</b>
2	35, 6 months	Sepedi	None	inf duct	IV
3	48 & 10 months	Tswana	None	inf duct	IV
5	49, 10 months	N. Sotho	Mother breast ca	inf duct	IV
6	43 & 8 months	N. Sotho	None	inf duct	III a
8	28, 0 months	N. Sotho	None	inf duct	IV
9	36 & 5 months	N. Sotho	None	inf duct	IV
10	42, 8 months	N. Sotho	None	medullary ductal	III
11	44, 0 months	Tswana	None	inf duct	III
14	47 & 8 months	Zulu	None	Unknown	IV
17	44 & 11 months	Ndebele	Cousin breast ca	inf duct	II b
18	31 & 9 months	Tswana	None	inf duct	III
19	36	Swazi	None	inf duct	IV
20	34, 1 months	N. Sotho	None	inf duct	IV
21	31	Unknown	None	medullary ductal	III b
28	29, 4 months	Zulu	None	inf duct	III a
34	43, 1 month	Tswana	None	inf duct	II
37	37, 5 months	Ndebele	Mother breast ca	inf duct	IV
38	46, 10 months	Tswana	None	Unknown	II a
39	54	Zulu	None	inf duct	IV
42	49, 11 months	Tswana	None	Unknown	II a
44	30	N. Sotho	None	Unknown	?
46	46, 6 months	Tswana	None	inf duct	IV
47	52, 8 months	Zulu	None	carcinoma nos	IV
48	42, 3 months	Tswana	None	inf duct	II b
49	43, 4 months	Zulu	Aunt breast ca	inf duct	II b
50	40, 4 months	Tswana	Mother breast ca	inf duct	IV
51	52, 6 months	Unknown	None	inf duct	IV
52	46, 11 months	Unknown	None	inf duct	II b
53	43, 5 months	Zulu	None	inf duct	IV
55	32, 9 months	N. Sotho	None	Unknown	II a
57	26, 1 month	S. Sotho	None	inf duct	III b
58	33, 7 months	N. Sotho	None	inf duct	II a
59	39, 0 months	Swazi	None	inf duct	IV
62	43, 7 months	N. Sotho	None	inf duct, with tubular differentiation	IV
68	43, 0 months	Ndebele	Mother breast ca	inf duct	III b
70	42, 7 months	Tswana	Maternal aunt breast ca	inf duct	IV
72	53, 8 months	Unknown	None	inf duct	IV

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<b>73</b>	29, 11 months	Tswana	None	inf duct	II b
<b>74</b>	47, 4 months	N. Sotho	None	inf duct	III b
<b>75</b>	46, 11 months	Zulu	None	inf duct	II b
<b>77</b>	47, 7 months	Zulu	None	inf duct	IV
<b>78</b>	36, 4 months	N. Sotho	None	inf duct	III b
<b>81</b>	52, 6 months	Sotho	None	invasive lobular	IV
<b>83</b>	53, 0 months	Sepedi	None	Unknown	III b
<b>84</b>	43, 7 months	Tswana	None	Unknown	II a
<b>87</b>	50	Swazi	None	inf duct	III
<b>88</b>	39, 3 months	N. Sotho	None	inf duct	IV
<b>89</b>	48, 8 months	N. Sotho	Uncle prostate ca	inf duct	II a
<b>91</b>	48, 0 months	Unknown	None	inf duct	III a
<b>94</b>	35, 3 months	Zulu	None	inf duct	III b
<b>96</b>	30, 5 months	N. Sotho	None	inf duct	IV
<b>98</b>	43, 3 months	Tswana	None	inf duct	II b
<b>99</b>	45, 3 months	Zulu	None	inf duct	II b
<b>101</b>	50, 8 months	Tswana	None	inf duct	IV
<b>102</b>	40, 9 months	Zulu	None	inf duct	IV
<b>104</b>	47, 0 months	Zulu	None	inf duct with areas of DCIS	II b
<b>106</b>	35, 0 months	Unknown	None	inf duct	IV
<b>108</b>	39, 6 months	Zulu	None	inf duct	III b
<b>111</b>	42, 7 months	Tswana	None	inf duct + DCIS	IV
<b>113</b>	41, 7 months	Tswana	None	inf duct	III b
<b>114</b>	47, 1 month	Zulu	None	inf duct	II
<b>118</b>	33, 10 months	N. Sotho	Father oesophagus ca?	inf duct	IV
<b>120</b>	52, 6 months	Zulu	None	inf duct	IV
<b>121</b>	54, 0 months	Zulu	None	Unknown	?
<b>122</b>	43, 10 months	Tswana	None	inf duct	IV
<b>123</b>	44, 4 months	Unknown	None	inf duct	II
<b>124</b>	25, 9 months	Tswana	None	inf duct	IV
<b>125</b>	38, 2 months	Tswana	None	inf duct	IV
<b>129</b>	43, 2 months	Shangaan	None	inf duct	IV
<b>130</b>	45, 8 months	Tswana	None	inf duct	III b
<b>131</b>	45, 3 months	Zulu	None	inf duct	IV
<b>132</b>	42, 4 months	Unknown	None	inf duct	IV
<b>137</b>	48, 0 months	Sotho	None	inf duct	III b
<b>138</b>	48, 6 months	Tswana	None	inf duct	III a
<b>139</b>	48, 3 months	Tswana	None	inf lobular	IV
<b>142</b>	52, 11 months	Unknown	None	inf duct	III a
<b>143</b>	42, 0 months	Ndebele	None	inf duct	IV
<b>146</b>	52, 2 months	Tswana	None	inf duct	IV
<b>147</b>	52, 10 months	Zulu	Mother breast ca	Unknown	IV
<b>148</b>	39, 8 months	Ndebele	None	papillary with DCIS	II a
<b>150</b>	45, 6 months	Sotho	None	inf duct	II b
<b>152</b>	39, 4 months	Sepedi	None	inf duct	II b

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<b>153</b>	22, 10 months	Tswana	None	inf duct	IV
<b>154</b>	51, 2 months	Tswana	None	inf duct	II
<b>156</b>	47, 0 months	Unknown	None	inf duct	II b
<b>158</b>	53, 7 months	Ndebele	None	inf duct	IV
<b>160</b>	40, 3 months	Xhosa	None	inf duct	II a
<b>161</b>	29, 6 months	Sotho	None	Unknown	IV
<b>162</b>	42, 10 months	Sepedi	Sister breast ca	Unknown	III
<b>166</b>	28, 10 months	N. Sotho	Sister & Aunt breast ca	inf duct	III b
<b>167</b>	44, 6 months	Unknown	None	inf duct	IV
<b>169</b>	38, 1 month	N. Sotho	None	inf duct	IV
<b>170</b>	40, 2 months	Sepedi	None	inf duct	II
<b>171</b>	37, 4 months	Tsonga	None	inf duct	III
<b>172</b>	31, 3 months	N. Sotho	None	inf duct	III a
<b>173</b>	34, 9 months	Tswana	None	inf duct	III a
<b>174</b>	37, 8 months	N. Sotho	None	inf duct	III
<b>175</b>	37, 9 months	Swazi	None	inf mucinous	IV
<b>177</b>	26, 5 months	N. Sotho	None	inf duct	II b
<b>182</b>	41, 2 months	Tswana	None	inf duct	III
<b>185</b>	30, 4 months	Unknown	None	inf duct	IV
<b>186</b>	35, 9 months	Sotho	None	inf duct	II b
<b>187</b>	41, 2 months	S. Sotho	None	inf duct	IV R
<b>188</b>	43, 10 months	Zulu	None	inf duct	II a
<b>189</b>	40, 3 months	Tsonga	None	inf duct	III
<b>190</b>	38, 9 months	Unknown	None	inf duct	IV
<b>191</b>	28, 8 months	Tswana	None	inf duct	II b
<b>193</b>	43, 5 months	Ndebele	None	inf duct	II b
<b>194</b>	44, 1 month	Sotho	None	inf duct	II b
<b>197</b>	51	Zulu	None	inf duct	IV
<b>199</b>	45, 2 months	Zulu	None	inf duct	III b
<b>200</b>	41, 6 months	Sepedi	None	inf duct	III a
<b>201</b>	42, 4 months	Ndebele	Mother's Aunt breast ca	inf duct	III b
<b>203</b>	39, 7 months	Zulu	None	inf duct	IV
<b>205</b>	43, 6 months	Tswana	None	medullary ductal	III b
<b>207</b>	49, 9 months	Tswana	None	inf duct	IV
<b>208</b>	44, 8 months	Zulu	None	inf duct	III a
<b>215</b>	40, 5 months	Ndebele	None	inf duct	IV
<b>220</b>	38, 11 months	Sotho	None	inf duct	II
<b>224</b>	26, 7 months	Swazi	None	inf duct	II a
<b>225</b>	34, 4 months	Zulu	None	inf duct	IV
<b>226</b>	26, 2 months	Zulu	None	inf duct	III b
<b>229</b>	38, 11 months	Zulu	None	inf duct	III
<b>233</b>	41, 1 month	Ndebele	None	inf duct	III
<b>234</b>	39, 10 months	Tswana	None	inf duct	III a
<b>236</b>	47, 8 months	Swazi	None	inf duct	III
<b>237</b>	28, 4 months	Zulu	None	inf duct	IV

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<b>238</b>	44, 10 months	Zulu	None	inf duct	III a
<b>239</b>	51, 11 months	Zulu	None	inf duct	III
<b>240</b>	48, 10 months	Sotho	None	inf duct	IV
<b>241</b>	40, 1 month	Xhosa	None	Unknown	IV
<b>242</b>	46, 10 months	Zulu	None	inf duct	II b
<b>245</b>	35, 10 months	N. Sotho	Two sisters breast ca	medullary ductal	?
<b>246</b>	42, 1 month	Tswana	Mother breast ca	inf duct	I
<b>249</b>	32, 4 months	N. Sotho	None	inf duct	II b
<b>252</b>	40, 9 months	Sepedi	None	inf duct	III b
<b>253</b>	46, 4 months	N. Sotho	Father stomach ca	inf duct	IV
<b>254</b>	49, 0 months	Ndebele	None	inf duct	IV
<b>255</b>	51, 4 months	Sotho	None	inf duct	IV
<b>257</b>	46, 9 months	N. Sotho	None	inf duct	IV
<b>258</b>	28, 1 month	Ndebele	None	inf duct	II a
<b>259</b>	26, 11 months	Sepedi	None	inf duct	IV
<b>260</b>	39, 0 months	Tswana	None	Unknown	IV
<b>261</b>	38, 1 month	Xhosa	None	Unknown	II a
<b>264</b>	42, 3 months	Shangaan	None	inf duct	IV
<b>265</b>	43, 7 months	Zulu	None	Unknown	IV
<b>267</b>	45, 11 months	Tswana - Venda	None	Unknown	II b
<b>268</b>	46, 2 months	N. Sotho	None	inf duct	IV
<b>270</b>	41, 2 months	Tswana	None	inf duct	IV
<b>271</b>	41, 3 months	Zulu	None	inf duct	III
<b>272</b>	40, 2 months	Zulu	None	inf duct	II b
<b>273</b>	48, 9 months	N. Sotho	Daughter breast ca	inf duct	?
<b>275</b>	47, 4 months	S. Sotho	None	inf duct	IV
<b>276</b>	46, 6 months	N. Sotho	None	inf duct	?
<b>279</b>	42, 4 months	Zulu	None	Unknown	?
<b>281</b>	51, 0 months	Zulu	Sister Ovarian ca	inf duct	IV
<b>282</b>	49, 11 months	Swazi	None	inf duct	III b
<b>283</b>	47	Tswana	Mother breast ca	inf duct	IV
<b>284</b>	30, 10 months	Zulu	None	inf duct	II b
<b>286</b>	48, 11 months	Unknown	None	inf duct	III b
<b>287</b>	50, 7 months	Ndebele	None	inf duct	III a
<b>288</b>	52, 11 months	Swazi	None	inf duct	IV
<b>290</b>	26, 4 months	N. Sotho	None	Unknown	III b
BRC134	38	Sotho	Mother & sister breast ca	Unknown	?
BRC210	36	Sotho	Mother & 2 aunts breast ca	Unknown	?

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\* Inf duct = infiltrating ductal carcinoma; inf lobular = infiltrating lobular carcinoma; nos = carcinoma not otherwise specified.