Suppl. Table I. Correlation matrix – items / genders

Masculine

Inter-Item Correlation Matrix

	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	156 🕨 1	
131	,	,291	,092	,070	,176	,504	,055	-,017	-,286	,390	-,282	,667	,225	,368	,303	,140	,247	,291	,184	-,022	,184	,286	,391	,045	-,092 -,0	
132	,291	1,000	,316	-,299	,363	-,173	,376	,116	-,302	,640	-,067	,216	-,387	,000	-,144	-,096	-,033		-,474	-,076	-,316	-,378	,000 -	-,155	,158 -,4	
133	,092	,316	1,000	,472	,574	,000	,297	,092	,120	,368	-,211	,273	,000	,250	,227	,456	,361	,316	,000,	,120	,125	-,120	,000,	,245		370
134	,070	-,299	,472	1,000	,289	,621	,000	,278	,632	-,348	-,040	,207	-,154	,000	,043	,115	,156	,239	,567	,361	,378	,452	,535	,000,	1	400
135	,176	,363	,574	,289	1,000	-,210	,644	-,106	,046	,317	-,384	,183	,156	,510	,239	,484	,513	,121	-,128	,229	,383	-,046	,090	,656	1 - C	061
136	,504	-,173	,000,	,621	-,210	1,000	-,325	,303	,393	-,101	,058	,524	-,149	-,183	-,062	-,166	-,113	,346	,548	,131	,274	,393	,516	-,447	,274 -,0	
137	,055	,376	,297	,000	,644	-,325	1,000	-,164	-,213	,273	,283	,284	,081	,594	,641	,632	,797	,188	-,594	-,213	,297	,213	,140	,631		220
138	-,017	,116	,092	,278	-,106	,303	-,164	1,000	,242	-,017	,302	,365	-,376	,000	-,199	-,084	-,209	,291	,368	,506	-,368	-,242	-,130	-,316	1 - C	049
139	-,286	-,302	,120	,632	,046	,393	-,213	,242	1,000	-,550	,088	-,114	-,098	-,239	-,258	-,109	-,271	-,076	,239	,314	,239	,029	,169	-,176	1 - C	063
140	,390	,640	,368	-,348	,317	-,101	,273	-,017	-,550	1,000	-,165	,516	,075	,184	,178	,252	,247	,291	-,368	-,286	-,092	-,506	-,391	,045		418
141	-,282	-,067	-,211	-,040	-,384	,058	,283	,302	,088	-,165	1,000	,267	-,043	,106	,366	,080,	,251	,033	-,423	-,063	,053	,215	,075	-,181		207
142	,667	,216	,273	,207	,183	,524	,284	,365	-,114	,516	,267	1,000	,279	,547	,551	,478	,522	,216	,000,	,082	,342	,114	,097	,100	1 - C	079
143	,225	-,387	,000	-,154	,156	-,149	,081	-,376	-,098	,075	-,043	,279	1,000	,680	,603	,537	,505	· ·	-,136	,098	,612	,098	-,192	,600		302
144	,368	,000	,250	,000,	,510	-,183	,594	,000,	-,239	,184	,106	,547	,680	1,000	,795	,810	,825	· ·	-,167	,239	,500	,239	,000,	,816	1 - C	529
145	,303	-,144	,227	,043	,239	-,062	,641	-,199	-,258	,178	,366	,551	,603	,795	,000	,811	,926	-,251	-,341	-,258	,454	,421	,080,	,640	1 - C	570
146	,140	-,096	,456	,115	,484	-,166	,632	-,084	-,109	,252	,080,	,478	,537	,810	,811	1,000	,846	-,288	-,203	-,109	,456	,109	-,215	,819	1 - C	562
147	,247	-,033	,361	,156	,513	-,113	,797	-,209	-,271	,247	,251	,522	,505	,825	,926	,846	1,000	-,130	-,309	-,123	,567	,419	,146	,758		534
148	,291	,700	,316	,239	,121	,346	,188	,291	-,076	,291	,033	,216	-,775	-,316	-,251	-,288		1,000	,000,	-,076	-,316	,076	,447	-,465		234
149	,184	-,474	,000,	,567	-,128	,548	-,594	,368	,239	-,368	-,423	,000,	-,136	-,167	-,341	-,203	-,309	,000,	1,000	,478	,000	,239	,236	-,163	1 - C	211
150	-,022	-,076	,120	,361	,229	,131	-,213	,506	,314	-,286	-,063	,082	,098	,239	-,258	-,109	-,123	-,076	,478	1,000	,239	,029	,169	,059	· · · · ·	215
151	,184	-,316	,125	,378	,383	,274	,297	-,368	,239	-,092	,053	,342	,612	,500	,454	,456	,567	-,316	,000,	,239	1,000	,478	,354	,490		264
152	,286	-,378	-,120	,452	-,046	,393	,213	-,242	,029	-,506	,215	,114	,098	,239	,421	,109	,419	,076	,239	,029	,478	1,000	,845	,176	1 - C	543
153	,391	,000	,000,	,535	,090	,516	,140	-,130	,169	-,391	,075	,097	-,192	,000	,080,	-,215	,146	,447	,236	,169	,354	,845	,000	-,115		224
154	,045	-,155	,245	,000,	,656	-,447		-,316	-,176	,045	-,181	,100	,600	,816	,640	,819	,758	· ·	-,163	,059	,490	,176	-,115 1	,000,		492
156	-,092	,158	,125	,378	-,191	,274	,000	-,092	,239	-,368	,211	-,273	-,612	-,500	-,227	-,456	-,206	,632	,000,	-,120	-,125	,478	,707	-,490	1 - C	106
157	-,068	-,435	,370	,400	,061	-,058	,220	,049	,063	-,418	,207	,079	,302	,529	,570	,562	,534	-,234	,211	,215	,264	,543	,224	,492	,106 1,0	000
The	covar	iance r	matrix	is calc	ulated	and us	sed in '	the an	alvsis.																	
					anaroa						I. A.		•	1-41-11												
											Inte	r-Item	Corre	lation	Matri	x										
	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	158 🕨	
131	1,000	,141	133 ,311	34 ,136	135 ,187	136 ,040	137 -,329	138 ,330	139 ,307	-,158	41 ,128	42 -,173	I43 ,136	144 ,304	145 ,459	146 ,581	,496	,073	-,281	-,120	-,070	-,120	,126	,141	,213 -,	,077
132	1,000 ,141	,141 1,000	133 ,311 ,151	134 ,136 -,247	135 ,187 -,262	136 ,040 -,281	137 -,329 ,087	138 ,330 -,160	139 ,307 -,061	-,158 -,455	41 ,128 -,425	42 -,173 -,600	143 ,136 -,186	144 ,304 ,031	145 ,459 -,122	146 ,581 -,148	,496 -,166	,073 ,143	-,281 ,452	-,120 -,087	-,070 -,193	-,120 -,233	,126 -,061	,141 ,017	,213 -, -,151 -,	,077 ,305
132 133	1,000 ,141 ,311	,141 1,000 ,151	33 ,311 ,151 1,000	134 ,136 -,247 ,596	135 ,187 -,262 ,225	136 ,040 -,281 ,388	137 -,329 ,087 ,192	138 ,330 -,160 ,353	139 ,307 -,061 ,522	-,158 -,455 ,117	41 ,128 -,425 ,069	42 -,173 -,600 ,348	43 ,136 -,186 ,358	144 ,304 ,031 ,326	145 ,459 -,122 ,537	146 ,581 -,148 ,563	,496 -,166 ,599	,073 ,143 -,236	-,281 ,452 ,348	-,120 -,087 ,385	-,070 -,193 ,225	-,120 -,233 ,385	,126 -,061 ,522	,141 ,017 ,453	,213 -, -,151 -, ,000 ,	,077 ,305 ,339
132 133 134	1,000 ,141 ,311 ,136	,141 1,000 ,151 -,247	133 ,311 ,151 1,000 ,596	134 ,136 -,247 ,596 1,000	135 ,187 -,262 ,225 ,654	136 ,040 -,281 ,388 ,787	137 -,329 ,087 ,192 ,161	138 ,330 -,160 ,353 ,547	139 ,307 -,061 ,522 ,671	-,158 -,455 ,117 ,498	41 ,128 -,425 ,069 ,172	42 -,173 -,600 ,348 ,472	143 ,136 -,186 ,358 ,479	144 ,304 ,031 ,326 ,364	145 ,459 -,122 ,537 ,656	146 ,581 -,148 ,563 ,718	,496 -,166 ,599 ,785	,073 ,143 -,236 -,112	-,281 ,452 ,348 ,141	-,120 -,087 ,385 ,298	-,070 -,193 ,225 ,332	-,120 -,233 ,385 ,298	,126 -,061 ,522 ,256	,141 ,017 ,453 ,392	,213 -, -,151 -, ,000 , ,267 ,	,077 ,305 ,339 ,699
132 133 134 135	1,000 ,141 ,311 ,136 ,187	,141 1,000 ,151 -,247 -,262	33 ,311 ,151 1,000 ,596 ,225	134 ,136 -,247 ,596 1,000 ,654	135 ,187 -,262 ,225 ,654 1,000	136 ,040 -,281 ,388 ,787 ,671	37 -,329 ,087 ,192 ,161 ,152	138 ,330 -,160 ,353 ,547 ,717	139 ,307 -,061 ,522 ,671 ,667	-,158 -,455 ,117 ,498 ,361	41 ,128 -,425 ,069 ,172 ,046	142 -,173 -,600 ,348 ,472 ,251	143 ,136 -,186 ,358 ,479 ,385	144 ,304 ,031 ,326 ,364 ,395	145 ,459 -,122 ,537 ,656 ,393	146 ,581 -,148 ,563 ,718 ,461	,496 -,166 ,599 ,785 ,574	,073 ,143 -,236 -,112 ,159	-,281 ,452 ,348 ,141 -,141	-,120 -,087 ,385 ,298 ,174	-,070 -,193 ,225 ,332 ,271	-,120 -,233 ,385 ,298 ,174	,126 -,061 ,522 ,256 ,144	,141 ,017 ,453 ,392 ,179	,213 -, -,151 -, ,000 , ,267 , ,463 ,	,077 ,305 ,339 ,699 ,699
132 133 134 135 136	1,000 ,141 ,311 ,136 ,187 ,040	,141 1,000 ,151 -,247 -,262 -,281	133 ,311 ,151 1,000 ,596 ,225 ,388	134 ,136 -,247 ,596 1,000 ,654 ,787	135 ,187 -,262 ,225 ,654 1,000 ,671	136 ,040 -,281 ,388 ,787 ,671 1,000	137 -,329 ,087 ,192 ,161 ,152 ,274	38 ,330 -,160 ,353 ,547 ,717 ,738	139 ,307 -,061 ,522 ,671 ,667 ,533	-,158 -,455 ,117 ,498 ,361 ,510	41 ,128 -,425 ,069 ,172 ,046 ,381	142 -,173 -,600 ,348 ,472 ,251 ,549	143 ,136 -,186 ,358 ,479 ,385 ,530	144 ,304 ,031 ,326 ,364 ,395 ,342	145 ,459 -,122 ,537 ,656 ,393 ,573	146 ,581 ,148 ,563 ,718 ,461 ,572	,496 -,166 ,599 ,785 ,574 ,491	,073 ,143 -,236 -,112 ,159 -,061	-,281 ,452 ,348 ,141 -,141 ,189	-,120 -,087 ,385 ,298 ,174 ,100	-,070 -,193 ,225 ,332 ,271 ,302	-,120 -,233 ,385 ,298 ,174 ,349	,126 -,061 ,522 ,256 ,144 ,233	,141 ,017 ,453 ,392 ,179 ,322	,213 -, -,151 -, ,000 , ,267 , ,463 , ,387 ,	,077 ,305 ,339 ,699 ,699 ,753
132 133 134 135 136 137	1,000 ,141 ,311 ,136 ,187 ,040 -,329	,141 1,000 ,151 -,247 -,262 -,281 ,087	33 ,311 ,151 1,000 ,596 ,225 ,388 ,192	34 ,136 -,247 ,596 1,000 ,654 ,787 ,161	35 ,187 -,262 ,225 ,654 1,000 ,671 ,152	136 ,040 -,281 ,388 ,787 ,671 1,000 ,274	37 -,329 ,087 ,192 ,161 ,152 ,274 1,000	38 ,330 -,160 ,353 ,547 ,717 ,738 ,204	39 ,307 -,061 ,522 ,671 ,667 ,533 ,134	-,158 -,455 ,117 ,498 ,361 ,510 ,090	41 ,128 ,425 ,069 ,172 ,046 ,381 ,178	142 -,173 -,600 ,348 ,472 ,251 ,549 ,361	143 ,136 -,186 ,358 ,479 ,385 ,530 ,620	144 ,304 ,031 ,326 ,364 ,395 ,342 ,360	45 ,459 -,122 ,537 ,656 ,393 ,573 ,252	146 ,581 -,148 ,563 ,718 ,461 ,572 ,017	,496 -,166 ,599 ,785 ,574 ,491 ,187	,073 ,143 -,236 -,112 ,159 -,061 -,578	-,281 ,452 ,348 ,141 -,141 ,189 ,662	-,120 -,087 ,385 ,298 ,174 ,100 ,528	-,070 -,193 ,225 ,332 ,271 ,302 ,608	-,120 -,233 ,385 ,298 ,174 ,349 ,528	,126 -,061 ,522 ,256 ,144 ,233 ,302	,141 ,017 ,453 ,392 ,179 ,322 ,686	,213 -, -,151 -, ,000 , ,267 , ,463 , ,387 , -,108 ,	,077 ,305 ,339 ,699 ,699 ,753 ,300
132 133 134 135 136 137 138	1,000 ,141 ,311 ,136 ,187 ,040 -,329 ,330	,141 1,000 ,151 -,247 -,262 -,281 ,087 -,160	33 ,311 ,151 1,000 ,596 ,225 ,388 ,192 ,353	134 ,136 -,247 ,596 1,000 ,654 ,787 ,161 ,547	35 ,187 -,262 ,225 ,654 1,000 ,671 ,152 ,717	36 ,040 -,281 ,388 ,787 ,671 1,000 ,274 ,738	37 -,329 ,087 ,192 ,161 ,152 ,274 1,000 ,204	38 ,330 -,160 ,353 ,547 ,717 ,738 ,204 1,000	139 ,307 -,061 ,522 ,671 ,667 ,533 ,134 ,325	-,158 -,455 ,117 ,498 ,361 ,510 ,090 ,514	41 ,128 -,425 ,069 ,172 ,046 ,381 ,178 ,218	142 -,173 -,600 ,348 ,472 ,251 ,549 ,361 ,389	43 ,136 ,358 ,479 ,385 ,530 ,620 ,487	144 ,304 ,031 ,326 ,364 ,395 ,342 ,360 ,372	145 ,459 -,122 ,537 ,656 ,393 ,573 ,252 ,427	46 ,581 ,563 ,718 ,461 ,572 ,017 ,462	,496 -,166 ,599 ,785 ,574 ,491 ,187 ,468	,073 ,143 -,236 -,112 ,159 -,061 -,578 ,036	-,281 ,452 ,348 ,141 ,141 ,189 ,662 ,074	-,120 -,087 ,385 ,298 ,174 ,100 ,528 -,058	-,070 -,193 ,225 ,332 ,271 ,302 ,608 ,080	-,120 -,233 ,385 ,298 ,174 ,349 ,528 ,087	,126 -,061 ,522 ,256 ,144 ,233 ,302 ,149	,141 ,017 ,453 ,392 ,179 ,322 ,686 ,240	,213 -, -,151 -, ,000 , ,267 , ,463 , ,387 , -,108 , ,433 ,	,077 ,305 ,339 ,699 ,699 ,753 ,300 ,544
132 133 134 135 136 137 138 139	1,000 ,141 ,311 ,136 ,187 ,040 -,329 ,330 ,307	,141 1,000 ,151 -,247 -,262 -,281 ,087 -,160 -,061	33 ,311 ,151 1,000 ,596 ,225 ,388 ,192 ,353 ,522	134 ,136 -,247 ,596 1,000 ,654 ,787 ,161 ,547 ,671	35 ,187 -,262 ,225 ,654 1,000 ,671 ,152 ,717 ,667	136 ,040 -,281 ,388 ,787 ,671 1,000 ,274 ,738 ,533	37 -,329 ,087 ,192 ,161 ,152 ,274 1,000 ,204 ,134	38 ,330 -,160 ,353 ,547 ,717 ,738 ,204 1,000 ,325	139 ,307 -,061 ,522 ,671 ,667 ,533 ,134 ,325 1,000	-,158 -,455 ,117 ,498 ,361 ,510 ,090 ,514 -,075	41 ,128 ,425 ,069 ,172 ,046 ,381 ,178 ,218 ,203	42 -,173 -,600 ,348 ,472 ,251 ,549 ,361 ,389 ,230	43 ,136 ,358 ,479 ,385 ,530 ,620 ,487 ,325	44 ,304 ,031 ,326 ,364 ,395 ,342 ,360 ,372 ,315	145 ,459 -,122 ,537 ,656 ,393 ,573 ,252 ,427 ,631	46 ,581 -,148 ,563 ,718 ,461 ,572 ,017 ,462 ,728	,496 -,166 ,599 ,785 ,574 ,491 ,187 ,468 ,729	,073 ,143 -,236 -,112 ,159 -,061 -,578 ,036 -,123	-,281 ,452 ,348 ,141 ,141 ,189 ,662 ,074 -,012	-,120 -,087 ,385 ,298 ,174 ,100 ,528 -,058 ,536	-,070 -,193 ,225 ,332 ,271 ,302 ,608 ,080 ,510	-,120 -,233 ,385 ,298 ,174 ,349 ,528 ,087 ,536	,126 -,061 ,522 ,256 ,144 ,233 ,302 ,149 ,394	,141 ,017 ,453 ,392 ,179 ,322 ,686 ,240 ,453	,213 -, -,151 -, ,000 , ,267 , ,463 , ,387 , -,108 , ,433 , ,130 ,	,077 ,305 ,339 ,699 ,699 ,753 ,300 ,544 ,681
132 133 134 135 136 137 138 139 140	1,000 ,141 ,311 ,136 ,187 ,040 -,329 ,330 ,307 -,158	,141 1,000 ,151 -,247 -,262 -,281 ,087 -,160 -,061 -,455	33 ,311 ,151 1,000 ,596 ,225 ,388 ,192 ,353 ,522 ,117	134 ,136 -,247 ,596 1,000 ,654 ,787 ,161 ,547 ,671 ,498	35 ,187 -,262 ,225 ,654 1,000 ,671 ,152 ,717 ,667 ,361	136 ,040 -,281 ,388 ,787 ,671 1,000 ,274 ,738 ,533 ,510	37 -,329 ,087 ,192 ,161 ,152 ,274 1,000 ,204 ,134 ,090	38 ,330 -,160 ,353 ,547 ,717 ,738 ,204 1,000 ,325 ,514	39 ,307 -,061 ,522 ,671 ,667 ,533 ,134 ,325 1,000 -,075	-,158 -,455 ,117 ,498 ,361 ,510 ,090 ,514 -,075 1,000	41 ,128 ,425 ,069 ,172 ,046 ,381 ,178 ,218 ,203 ,136	42 -,173 -,600 ,348 ,472 ,251 ,549 ,361 ,389 ,230 ,480	43 ,136 ,186 ,358 ,479 ,385 ,530 ,620 ,487 ,325 ,265	144 ,304 ,031 ,326 ,364 ,395 ,342 ,360 ,372 ,315 ,038	45 ,459 -,122 ,537 ,656 ,393 ,573 ,252 ,427 ,631 ,031	46 ,581 ,148 ,563 ,718 ,461 ,572 ,017 ,462 ,728 ,038	,496 -,166 ,599 ,785 ,574 ,491 ,187 ,468 ,729 ,140	,073 ,143 -,236 -,112 ,159 -,061 -,578 ,036 -,123 ,055	-,281 ,452 ,348 ,141 -,141 ,189 ,662 ,074 -,012 -,008	-,120 -,087 ,385 ,298 ,174 ,100 ,528 -,058 ,536 -,203	-,070 -,193 ,225 ,332 ,271 ,302 ,608 ,080 ,510 -,097	-,120 -,233 ,385 ,298 ,174 ,349 ,528 ,087 ,536 -,090	,126 -,061 ,522 ,256 ,144 ,233 ,302 ,149 ,394 -,075	,141 ,017 ,453 ,392 ,179 ,322 ,686 ,240 ,453 ,040	,213 -, -,151 -, ,000 , ,267 , ,463 , ,387 , -,108 , ,130 , ,379 ,	,077 ,305 ,339 ,699 ,699 ,753 ,300 ,544 ,681 ,326
32 33 34 35 36 37 38 39 40 41	1,000 ,141 ,311 ,136 ,187 ,040 -,329 ,330 ,307 -,158 ,128	,141 1,000 ,151 -,247 -,262 -,281 ,087 -,160 -,061 -,455 -,425	33 ,311 ,151 1,000 ,596 ,225 ,388 ,192 ,353 ,522 ,117 ,069	134 ,136 -,247 ,596 1,000 ,654 ,787 ,161 ,547 ,671 ,498 ,172	35 ,187 -,262 ,225 ,654 1,000 ,671 ,152 ,717 ,667 ,361 ,046	136 ,040 -,281 ,388 ,787 ,671 1,000 ,274 ,738 ,533 ,510 ,381	37 -,329 ,087 ,192 ,161 ,152 ,274 1,000 ,204 ,134 ,090 ,178	38 ,330 -,160 ,353 ,547 ,717 ,738 ,204 1,000 ,325 ,514 ,218	139 ,307 -,061 ,522 ,671 ,667 ,533 ,134 ,325 1,000 -,075 ,203	-,158 -,455 ,117 ,498 ,361 ,510 ,090 ,514 -,075 1,000 ,136	41 ,128 ,425 ,069 ,172 ,046 ,381 ,178 ,218 ,203 ,136 1,000	142 -,173 -,600 ,348 ,472 ,251 ,549 ,361 ,389 ,230 ,480 ,671	43 ,136 ,186 ,358 ,479 ,385 ,530 ,620 ,487 ,325 ,265 ,335	144 ,304 ,031 ,326 ,364 ,395 ,342 ,360 ,372 ,315 ,038 ,079	145 ,459 ,122 ,537 ,656 ,393 ,573 ,252 ,427 ,631 ,031 ,304	46 ,581 ,563 ,718 ,461 ,572 ,017 ,462 ,728 ,038 ,323	,496 -,166 ,599 ,785 ,574 ,491 ,187 ,468 ,729 ,140 ,174	,073 ,143 -,236 -,112 ,159 -,061 -,578 ,036 -,123 ,055 -,315	-,281 ,452 ,348 ,141 ,141 ,662 ,074 -,012 -,008 -,043	-,120 -,087 ,385 ,298 ,174 ,100 ,528 -,058 ,536 -,203 ,020	-,070 -,193 ,225 ,332 ,271 ,302 ,608 ,080 ,510 -,097 ,263	-,120 -,233 ,385 ,298 ,174 ,349 ,528 ,087 ,536 -,090 ,514	,126 -,061 ,522 ,256 ,144 ,233 ,302 ,149 ,394 -,075 ,322	,141 ,017 ,453 ,392 ,179 ,322 ,686 ,240 ,453 ,040 ,326	,213 -, -,151 -, ,000 , ,267 , ,463 , ,387 , -,108 , ,130 , ,379 , ,077 ,	,077 ,305 ,339 ,699 ,753 ,300 ,544 ,681 ,326 ,367
 132 133 134 135 136 137 138 139 140 141 142 	1,000 ,141 ,311 ,136 ,187 ,040 -,329 ,330 ,307 -,158 ,128 -,173	,141 1,000 ,151 -,247 -,262 -,281 ,087 -,160 -,061 -,455 -,425 -,600	33 ,311 ,151 1,000 ,596 ,225 ,388 ,192 ,353 ,522 ,117 ,069 ,348	134 ,136 -,247 ,596 1,000 ,654 ,787 ,161 ,547 ,671 ,498 ,172 ,472	35 ,187 -,262 ,225 ,654 1,000 ,671 ,152 ,717 ,667 ,361 ,046 ,251	136 ,040 -,281 ,388 ,787 ,671 1,000 ,274 ,738 ,533 ,510 ,381 ,549	37 -,329 ,087 ,192 ,161 ,152 ,274 1,000 ,204 ,134 ,090 ,178 ,361	38 ,330 -,160 ,353 ,547 ,717 ,738 ,204 1,000 ,325 ,514 ,218 ,389	139 ,307 -,061 ,522 ,671 ,533 ,134 ,325 1,000 -,075 ,203 ,230	-,158 -,455 ,117 ,498 ,361 ,510 ,090 ,514 -,075 1,000 ,136 ,480	41 ,128 ,425 ,069 ,172 ,046 ,381 ,178 ,218 ,203 ,136 1,000 ,671	42 -,173 -,600 ,348 ,472 ,251 ,549 ,361 ,389 ,230 ,480 ,671 1,000	43 ,136 ,358 ,479 ,385 ,530 ,620 ,487 ,325 ,265 ,335 ,555	44 ,304 ,031 ,326 ,364 ,395 ,342 ,360 ,372 ,315 ,038 ,079 ,192	45 ,459 -,122 ,537 ,656 ,393 ,573 ,252 ,427 ,631 ,031 ,304 ,266	46 ,581 -,148 ,563 ,718 ,461 ,572 ,017 ,462 ,728 ,038 ,323 ,254	,496 -,166 ,599 ,785 ,574 ,491 ,187 ,468 ,729 ,140 ,174 ,302	,073 ,143 -,236 -,112 ,159 -,061 -,578 ,036 -,123 ,055 -,315 -,516	-,281 ,452 ,348 ,141 ,149 ,662 ,074 -,012 -,008 -,043 ,130	-,120 -,087 ,385 ,298 ,174 ,100 ,528 ,536 -,203 ,020 ,241	-,070 -,193 ,225 ,332 ,271 ,302 ,608 ,080 ,510 -,097 ,263 ,376	-,120 -,233 ,385 ,298 ,174 ,349 ,528 ,087 ,536 -,090 ,514 ,542	,126 -,061 ,522 ,256 ,144 ,233 ,302 ,149 ,394 -,075 ,322 ,230	,141 ,017 ,453 ,392 ,179 ,322 ,686 ,240 ,453 ,040 ,326 ,484	,213 -, -,151 -, ,000 , ,267 , ,463 , ,387 , -,108 , ,433 , ,130 , ,379 , ,077 , ,026 ,	,077 ,305 ,339 ,699 ,753 ,300 ,544 ,681 ,326 ,367 ,628
 132 133 134 135 136 137 138 139 140 141 142 143 	1,000 ,141 ,311 ,136 ,187 ,040 -,329 ,330 ,330 ,307 -,158 ,128 -,173 ,136	,141 1,000 ,151 -,247 -,262 -,281 ,087 -,160 -,061 -,455 -,425 -,600 -,186	33 ,311 ,151 1,000 ,596 ,225 ,388 ,192 ,353 ,522 ,117 ,069 ,348 ,358	134 ,136 -,247 ,596 1,000 ,654 ,787 ,161 ,547 ,671 ,498 ,172 ,472 ,479	135 ,187 -,262 ,225 ,654 1,000 ,671 ,152 ,717 ,667 ,361 ,046 ,251 ,385	136 ,040 -,281 ,388 ,787 ,671 1,000 ,274 ,738 ,533 ,510 ,381 ,549 ,530	37 -,329 ,087 ,192 ,161 ,152 ,274 1,000 ,204 ,134 ,090 ,178 ,361 ,620	38 ,330 -,160 ,353 ,547 ,717 ,738 ,204 1,000 ,325 ,514 ,218 ,389 ,487	139 ,307 -,061 ,522 ,671 ,533 ,134 ,325 1,000 -,075 ,203 ,230 ,325	-,158 -,455 ,117 ,498 ,361 ,510 ,090 ,514 -,075 1,000 ,136 ,480 ,265	41 ,128 ,425 ,069 ,172 ,046 ,381 ,178 ,218 ,203 ,136 1,000 ,671 ,335	142 -,173 -,600 ,348 ,472 ,251 ,549 ,361 ,389 ,230 ,480 ,671 1,000 ,555	143 ,136 ,358 ,479 ,385 ,530 ,620 ,487 ,325 ,265 ,335 ,555 1,000	144 ,304 ,031 ,326 ,364 ,395 ,342 ,360 ,372 ,315 ,038 ,079 ,192 ,753	145 ,459 -,122 ,537 ,656 ,393 ,573 ,252 ,427 ,631 ,031 ,304 ,266 ,576	146 ,581 -,148 ,563 ,718 ,461 ,572 ,017 ,462 ,728 ,038 ,323 ,254 ,400	,496 -,166 ,599 ,785 ,574 ,491 ,187 ,468 ,729 ,140 ,174 ,302 ,488	,073 ,143 -,236 -,112 ,159 -,061 -,578 ,036 -,123 ,055 -,315 -,315 -,393	-,281 ,452 ,348 ,141 ,149 ,662 ,074 -,012 -,008 -,043 ,130 ,472	-,120 -,087 ,385 ,298 ,174 ,100 ,528 ,536 -,058 ,536 -,203 ,020 ,241 ,298	-,070 -,193 ,225 ,332 ,271 ,302 ,608 ,080 ,510 -,097 ,263 ,376 ,600	-,120 -,233 ,385 ,298 ,174 ,349 ,528 ,087 ,536 -,090 ,514 ,542 ,528	,126 -,061 ,522 ,256 ,144 ,233 ,302 ,149 ,394 -,075 ,322 ,230 ,325	,141 ,017 ,453 ,392 ,179 ,322 ,686 ,240 ,453 ,040 ,326 ,484 ,797	,213 -, -,151 -, ,000 , ,267 , ,463 , ,387 , -,108 , ,433 , ,130 , ,379 , ,077 , ,026 , ,119 ,	,077 ,305 ,339 ,699 ,753 ,300 ,544 ,681 ,326 ,367 ,628 ,564
132 133 134 135 136 137 138 139 140 141 142 143 144	1,000 ,141 ,311 ,136 ,187 ,040 -,329 ,330 ,307 -,158 ,128 -,173 ,136 ,304	,141 1,000 ,151 -,247 -,262 -,281 ,087 -,160 -,061 -,455 -,425 -,425 -,600 -,186 ,031	133 ,311 ,151 1,000 ,596 ,225 ,388 ,192 ,353 ,522 ,117 ,069 ,348 ,358 ,326	34 ,136 -,247 ,596 1,000 ,654 ,787 ,161 ,547 ,671 ,498 ,172 ,479 ,364	35 ,187 -,262 ,225 ,654 1,000 ,671 ,152 ,717 ,667 ,361 ,046 ,251 ,385 ,395	136 ,040 -,281 ,388 ,787 ,671 1,000 ,274 ,738 ,533 ,510 ,381 ,549 ,530 ,342	37 -,329 ,087 ,192 ,161 ,152 ,274 1,000 ,204 ,134 ,090 ,178 ,361 ,620 ,360	38 ,330 -,160 ,353 ,547 ,717 ,738 ,204 1,000 ,325 ,514 ,218 ,389 ,487 ,372	139 ,307 -,061 ,522 ,671 ,667 ,533 ,134 ,325 1,000 -,075 ,203 ,230 ,325 ,315	-,158 -,455 ,117 ,498 ,361 ,510 ,090 ,514 -,075 1,000 ,136 ,480 ,265 ,038	41 ,128 ,425 ,069 ,172 ,046 ,381 ,178 ,218 ,203 ,136 1,000 ,671 ,335 ,079	142 -,173 -,600 ,348 ,472 ,251 ,549 ,361 ,389 ,230 ,480 ,671 1,000 ,555 ,192	143 ,136 ,358 ,479 ,385 ,530 ,620 ,487 ,325 ,265 ,335 ,555 1,000 ,753	144 ,304 ,031 ,326 ,364 ,395 ,342 ,360 ,372 ,315 ,038 ,079 ,192 ,753 1,000	145 ,459 -,122 ,537 ,656 ,393 ,573 ,252 ,427 ,631 ,031 ,304 ,266 ,576 ,454	146 ,581 -,148 ,563 ,718 ,461 ,572 ,017 ,462 ,728 ,038 ,323 ,254 ,400 ,314	,496 -,166 ,599 ,785 ,574 ,491 ,187 ,468 ,729 ,140 ,174 ,302 ,488 ,470	,073 ,143 -,236 -,112 ,159 -,061 -,578 ,036 -,123 ,055 -,315 -,315 -,516 -,393 -,147	-,281 ,452 ,348 ,141 -,141 ,189 ,662 ,074 -,012 -,008 -,043 ,130 ,472 ,315	-,120 -,087 ,385 ,298 ,174 ,100 ,528 -,058 ,536 -,203 ,020 ,241 ,298 ,068	-,070 -,193 ,225 ,332 ,271 ,302 ,608 ,080 ,510 -,097 ,263 ,376 ,600 ,408	-,120 -,233 ,385 ,298 ,174 ,349 ,528 ,087 ,536 -,090 ,514 ,542 ,528 ,154	,126 -,061 ,522 ,256 ,144 ,233 ,302 ,149 ,394 -,075 ,322 ,230 ,325 ,108	,141 ,017 ,453 ,392 ,179 ,322 ,686 ,240 ,453 ,040 ,326 ,484 ,797 ,524	,213 -, -,151 -, ,000 , ,267 , ,463 , ,387 , -,108 , ,433 , ,130 , ,379 , ,077 , ,026 , ,119 , ,210 ,	,077 ,305 ,339 ,699 ,699 ,753 ,300 ,544 ,681 ,326 ,367 ,628 ,564 ,457
132 133 134 135 136 137 138 139 140 141 142 143 144	1,000 ,141 ,311 ,136 ,187 ,040 -,329 ,330 ,307 -,158 ,128 -,173 ,136 ,304 ,459	,141 1,000 ,151 -,247 -,262 -,281 ,087 -,160 -,061 -,455 -,425 -,600 -,186 ,031 -,122	133 ,311 ,151 1,000 ,596 ,225 ,388 ,192 ,353 ,522 ,117 ,069 ,348 ,358 ,326 ,537	134 ,136 -,247 ,596 1,000 ,654 ,787 ,161 ,547 ,671 ,498 ,172 ,472 ,479 ,364	135 ,187 -,262 ,255 ,654 1,000 ,671 ,152 ,717 ,667 ,361 ,046 ,251 ,385 ,395 ,393	136 ,040 -,281 ,388 ,787 ,671 1,000 ,274 ,738 ,533 ,510 ,381 ,549 ,530 ,342 ,573	137 -,329 ,087 ,192 ,161 ,152 ,274 1,000 ,204 ,134 ,090 ,178 ,361 ,620 ,360 ,252	138 ,330 ,-160 ,353 ,547 ,717 ,738 ,204 1,000 ,325 ,514 ,218 ,389 ,487 ,372 ,427	139 ,307 -,061 ,522 ,671 ,667 ,533 ,134 ,325 1,000 -,075 ,203 ,230 ,325 ,315 ,631	-,158 -,455 ,117 ,498 ,361 ,510 ,090 ,514 -,075 1,000 ,136 ,480 ,265 ,038 ,031	41 ,128 ,069 ,172 ,046 ,381 ,178 ,218 ,203 ,136 1,000 ,671 ,335 ,079 ,304	142 -,173 -,600 ,348 ,472 ,251 ,549 ,361 ,389 ,230 ,480 ,671 1,000 ,555 ,192 ,266	143 ,136 -,186 ,358 ,479 ,385 ,530 ,620 ,487 ,325 ,265 ,335 ,555 1,000 ,753 ,576	144 ,304 ,031 ,326 ,364 ,395 ,342 ,360 ,372 ,315 ,038 ,079 ,192 ,753 1,000 ,454	145 ,459 ,537 ,656 ,393 ,573 ,252 ,427 ,631 ,304 ,266 ,576 ,454 1,000	46 ,581 -,148 ,563 ,718 ,461 ,572 ,017 ,462 ,728 ,038 ,323 ,254 ,400 ,314 ,932	,496 ,599 ,785 ,574 ,491 ,187 ,468 ,729 ,140 ,174 ,302 ,488 ,470 ,844	,073 ,143 -,236 -,112 ,159 -,061 -,578 ,036 -,123 ,055 -,315 -,516 -,393 -,147 -,261	-,281 ,452 ,348 ,141 -,141 ,189 ,662 ,074 -,012 -,008 -,043 ,130 ,472 ,315 ,266	-,120 -,087 ,385 ,298 ,174 ,100 ,528 -,058 ,536 -,203 ,020 ,241 ,298 ,068 ,523	-,070 -,193 ,225 ,332 ,271 ,302 ,608 ,080 ,510 -,097 ,263 ,376 ,600 ,408 ,590	-,120 -,233 ,385 ,298 ,174 ,349 ,528 ,087 ,536 -,090 ,514 ,542 ,528 ,154 ,523	,126 -,061 ,522 ,256 ,144 ,233 ,302 ,149 ,394 -,075 ,322 ,230 ,325 ,108 ,514	,141 ,017 ,453 ,392 ,179 ,322 ,686 ,240 ,453 ,040 ,326 ,484 ,797 ,524 ,638	,213 -, -,151 -, .000 , .267 , .463 , .387 , -,108 , .433 , .130 , .379 , .077 , .026 , .119 , .210 , .276 ,	,077 ,305 ,339 ,699 ,699 ,753 ,300 ,544 ,681 ,326 ,367 ,628 ,564 ,457 ,492
132 133 134 135 136 137 138 139 140 141 142 143 144 145 146	1,000 ,141 ,136 ,187 ,040 -,329 ,330 ,307 -,158 ,128 ,173 ,136 ,304 ,459 ,581	,141 1,000 ,151 -,247 -,262 -,281 ,087 -,160 -,455 -,425 -,425 -,600 -,186 ,031 -,122 -,148	33 ,311 ,151 1,000 ,596 ,225 ,388 ,192 ,353 ,522 ,117 ,069 ,348 ,358 ,326 ,537 ,563	134 ,136 -,247 ,596 1,000 ,654 ,787 ,161 ,547 ,671 ,498 ,172 ,472 ,479 ,364 ,656 ,718	135 .187 -262 .225 .654 1,000 .671 .152 .717 .667 .361 .046 .251 .385 .395 .393 .461	36 ,040 -281 388 ,787 ,671 1,000 ,274 ,738 ,533 ,510 ,381 ,549 ,530 ,342 ,573 ,572	137 -,329 ,087 ,192 ,161 ,152 ,274 1,000 ,204 ,134 ,090 ,178 ,361 ,620 ,360 ,252 ,017	38 ,330 -160 ,353 ,547 ,717 ,738 ,204 1,000 ,325 ,514 ,218 ,389 ,487 ,372 ,427 ,462	139 ,307 -061 ,522 ,671 ,667 ,533 ,134 ,325 1,000 -,075 ,203 ,230 ,325 ,315 ,631 ,728	-,158 -,455 ,117 ,498 ,361 ,510 ,090 ,514 -,075 1,000 ,136 ,480 ,265 ,038 ,031 ,038	41 ,128 ,069 ,172 ,046 ,381 ,178 ,218 ,203 ,136 1,000 ,671 ,335 ,079 ,304 ,323	142 -,173 -,600 ,348 ,472 ,251 ,549 ,361 ,389 ,230 ,480 ,671 1,000 ,555 ,192 ,266 ,254	43 ,136 ,358 ,479 ,385 ,530 ,620 ,487 ,325 ,555 ,555 1,000 ,753 ,576 ,400	144 ,304 ,031 ,326 ,364 ,395 ,342 ,315 ,038 ,079 ,192 ,753 1,000 ,454 ,314	145 ,459 ,537 ,656 ,393 ,573 ,252 ,427 ,631 ,304 ,266 ,576 ,454 1,000 ,932	146 ,581 ,-148 ,563 ,718 ,461 ,572 ,017 ,462 ,728 ,038 ,323 ,254 ,400 ,314 ,932 1,000	,496 ,599 ,785 ,574 ,491 ,187 ,468 ,729 ,140 ,174 ,302 ,488 ,470 ,844 ,870	,073 ,143 -,236 -,112 ,159 -,061 -,578 ,036 -,123 ,055 -,315 -,516 -,393 -,147 -,261 -,147	-,281 ,452 ,348 ,141 -,141 ,189 ,662 ,074 -,012 -,008 -,043 ,130 ,472 ,315 ,266 ,006	-,120 -,087 ,385 ,298 ,174 ,100 ,528 -,058 ,536 -,203 ,020 ,241 ,298 ,068 ,523 ,411	-,070 -,193 ,225 ,332 ,271 ,302 ,608 ,080 ,510 -,097 ,263 ,376 ,600 ,408 ,590 ,408	-,120 -,233 ,385 ,298 ,174 ,349 ,528 ,087 ,536 -,090 ,514 ,542 ,528 ,154 ,523 ,411	,126 -,061 ,522 ,256 ,144 ,233 ,302 ,149 ,394 -,075 ,322 ,230 ,325 ,108 ,514 ,418	,141 ,017 ,453 ,392 ,179 ,322 ,686 ,240 ,453 ,040 ,326 ,484 ,797 ,524 ,638 ,473	,213 -, -,151 -, .000 , .267 , .463 , .387 , -,108 , .433 , .130 , .379 , .077 , .026 , .119 , .210 , .276 , .321 ,	077 305 339 699 699 753 300 544 681 326 367 628 564 457 492 497
132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147	1,000 ,141 ,136 ,187 ,040 -,329 ,330 ,307 -,158 ,128 ,136 ,304 ,459 ,581 ,496	,141 1,000 ,151 -,247 -,262 -,281 ,087 -,160 -,061 -,455 -,425 -,600 -,186 ,031 -,122 -,148 -,166	33 ,311 ,151 1,000 ,596 ,225 ,388 ,192 ,353 ,522 ,117 ,069 ,348 ,358 ,326 ,537 ,563 ,599	134 ,136 -,247 ,596 1,000 ,654 ,787 ,161 ,547 ,671 ,498 ,172 ,472 ,479 ,364 ,656 ,718 ,785	135 .187 -262 .225 .654 1,000 .671 .152 .717 .667 .361 .046 .251 .385 .395 .393 .461 .574	136 ,040 -,281 ,388 ,787 ,671 1,000 ,274 ,738 ,533 ,510 ,381 ,549 ,530 ,342 ,573 ,572 ,491	37 -329 ,087 ,192 ,161 ,152 ,274 1,000 ,204 ,134 ,090 ,178 ,361 ,620 ,360 ,252 ,017 ,187	38 ,330 -160 ,353 ,547 ,717 ,738 ,204 1,000 ,325 ,514 ,218 ,389 ,487 ,372 ,427 ,462 ,468	139 ,307 -061 ,522 ,671 ,667 ,533 ,134 ,325 ,134 ,325 ,203 ,230 ,325 ,315 ,631 ,728 ,729	-,158 -,455 ,117 ,498 ,361 ,510 ,090 ,514 -,075 1,000 ,136 ,480 ,265 ,038 ,031 ,038 ,140	41 ,128 ,069 ,172 ,046 ,381 ,178 ,218 ,203 ,136 1,000 ,671 ,335 ,079 ,304 ,323 ,174	142 -,173 -,600 ,348 ,472 ,251 ,549 ,361 ,389 ,230 ,480 ,671 1,000 ,555 ,192 ,266 ,254 ,302	143 ,136 ,358 ,479 ,385 ,530 ,620 ,487 ,325 ,555 ,335 ,555 1,000 ,753 ,576 ,400 ,488	144 ,304 ,326 ,364 ,395 ,342 ,360 ,372 ,315 ,038 ,079 ,192 ,753 1,000 ,454 ,314 ,470	145 ,459 ,537 ,656 ,393 ,573 ,252 ,427 ,631 ,304 ,266 ,576 ,454 1,000 ,932 ,844	146 ,581 ,563 ,718 ,461 ,572 ,017 ,462 ,728 ,038 ,323 ,254 ,400 ,314 ,932 1,000 ,870	,496 -,166 ,599 ,785 ,574 ,491 ,187 ,468 ,729 ,140 ,174 ,302 ,488 ,470 ,844 ,870 1,000	,073 ,143 -,236 -,112 ,159 -,061 -,578 ,036 -,123 ,055 -,315 -,516 -,393 -,147 -,261 -,147 -,282	-,281 ,452 ,348 ,141 -,141 ,189 ,662 ,074 -,012 -,008 -,043 ,130 ,472 ,266 ,006 ,094	-,120 -,087 ,385 ,298 ,174 ,100 ,528 -,058 ,536 -,203 ,020 ,241 ,298 ,068 ,523 ,411 ,533	-,070 -,193 ,225 ,332 ,271 ,302 ,608 ,080 ,510 -,097 ,263 ,376 ,600 ,408 ,590 ,408 ,590 ,408	-,120 -,233 ,385 ,298 ,174 ,349 ,528 ,090 ,514 ,536 -,090 ,514 ,542 ,528 ,154 ,523 ,411 ,389	,126 -,061 ,522 ,256 ,144 ,233 ,302 ,149 ,394 -,075 ,322 ,230 ,325 ,108 ,514 ,418 ,382	,141 ,017 ,453 ,392 ,179 ,322 ,686 ,240 ,453 ,040 ,326 ,484 ,797 ,524 ,638 ,473 ,559	,213 -, -,151 -, ,000 , ,267 , ,463 , ,387 , -,108 , ,433 , ,108 , ,433 , ,108 , ,379 , ,077 , ,026 , ,119 , ,210 , ,276 , ,321 , ,158 ,	077 305 339 699 699 753 300 544 681 326 367 628 564 457 492 497 535
132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148	1,000 ,141 ,136 ,187 ,040 -,329 ,330 ,307 -,158 ,128 ,304 ,459 ,581 ,496 ,073	,141 1,000 ,151 -,247 -,262 -,281 ,087 -,160 -,061 -,455 -,600 -,186 ,031 -,122 -,148 -,166 ,143	33 ,311 ,151 1,000 ,225 ,388 ,192 ,353 ,522 ,117 ,069 ,348 ,358 ,326 ,537 ,563 ,599 -,236	134 ,136 -,247 ,596 ,654 ,654 ,787 ,671 ,498 ,172 ,472 ,472 ,479 ,364 ,718 ,785 ,718	135 ,187 ,262 ,225 ,654 1,000 ,671 ,152 ,717 ,667 ,361 ,046 ,251 ,385 ,393 ,461 ,574 ,159	136 ,040 -,281 ,388 ,787 ,671 1,000 ,274 ,738 ,533 ,510 ,381 ,549 ,530 ,342 ,573 ,572 ,491 -,061	37 -,329 ,087 ,192 ,161 ,152 ,274 1,000 ,204 ,134 ,090 ,178 ,361 ,620 ,360 ,252 ,017 ,187 -,578	138 ,330 -,160 ,353 ,547 ,718 ,204 1,000 ,325 ,514 ,218 ,389 ,487 ,372 ,427 ,462 ,036	139 ,307 -,061 ,522 ,671 ,633 ,134 ,325 ,315 ,631 ,728 ,729 -,123	-,158 -,455 ,117 ,498 ,361 ,510 ,090 ,514 -,075 1,000 ,136 ,480 ,265 ,038 ,031 ,038 ,140 ,055	141 128 -,425 ,069 ,172 ,046 ,381 ,178 ,218 ,218 ,213 ,136 1,000 ,671 ,335 ,079 ,304 ,323 ,174 -,315	142 -,173 -,600 ,348 ,472 ,251 ,549 ,361 ,389 ,230 ,480 ,671 1,000 ,555 ,192 ,266 ,254 ,302 -,516	143 ,136 ,358 ,479 ,385 ,530 ,620 ,487 ,325 ,555 ,335 ,555 ,555 ,555 ,000 ,753 ,576 ,400 ,488 ,393	144 ,304 ,326 ,364 ,395 ,342 ,360 ,372 ,315 ,038 ,079 ,192 ,753 1,000 ,454 ,314 ,470 ,-,147	145 ,459 ,537 ,656 ,393 ,573 ,252 ,427 ,631 ,304 ,266 ,576 ,454 1,000 ,932 ,844 -,261	146 ,581 ,563 ,718 ,461 ,572 ,017 ,462 ,728 ,038 ,323 ,254 ,400 ,314 ,932 1,000 ,870 ,-147	,496 -,166 ,599 ,785 ,574 ,491 ,187 ,468 ,729 ,140 ,174 ,302 ,488 ,470 ,844 ,870 1,000 -,282	,073 ,143 -,236 -,112 ,159 -,061 -,578 -,055 -,516 -,315 -,516 -,393 -,147 -,261 -,147 -,282 1,000	-,281 ,452 ,348 ,141 -,141 ,189 ,662 ,074 -,012 -,008 -,043 ,130 ,472 ,315 ,266 ,006 ,094 -,393	-,120 -,087 ,385 ,298 ,174 ,100 ,528 ,536 ,536 ,203 ,020 ,241 ,298 ,068 ,523 ,411 ,533 -,612	-,070 -,193 ,225 ,332 ,271 ,302 ,608 ,080 ,510 ,510 ,097 ,263 ,376 ,600 ,408 ,590 ,408 ,590 ,408 ,495 -,691	-,120 -,233 ,385 ,298 ,174 ,349 ,528 ,087 ,536 ,090 ,514 ,542 ,528 ,154 ,523 ,411 ,389 -,442	,126 -,061 ,522 ,256 ,144 ,233 ,302 ,149 ,394 -,075 ,322 ,230 ,325 ,108 ,514 ,418 ,382 -,123	,141 ,017 ,453 ,392 ,179 ,322 ,686 ,240 ,453 ,040 ,326 ,484 ,797 ,524 ,638 ,473 ,559 -,681	,213 -, -,151 -, ,000 , ,267 , ,463 , ,387 , -,108 , ,433 , ,130 , ,379 , ,077 , ,026 , ,119 , ,210 , ,216 , ,211 , ,215 , ,321 , ,158 , ,484 -,	077 305 339 699 699 753 300 544 681 326 367 628 564 457 492 497 535 176
132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149	1,000 ,141 ,311 ,136 ,040 -,329 ,330 ,307 -,158 ,304 ,459 ,581 ,496 ,073 -,281	,141 1,000 ,151 -,247 -,262 -,281 ,087 -,160 -,061 -,455 -,600 -,186 ,031 -,122 -,148 -,166 ,143 ,452	33 ,311 ,151 1,000 ,225 ,388 ,192 ,353 ,522 ,117 ,069 ,348 ,358 ,326 ,537 ,563 ,599 -,236 ,348	134 ,136 -,247 ,596 0,654 ,654 ,787 ,671 ,498 ,172 ,472 ,479 ,364 ,656 ,718 ,785 -,112 ,141	135 ,187 ,262 ,225 ,654 1,000 ,671 ,152 ,717 ,667 ,361 ,046 ,251 ,385 ,393 ,461 ,574 ,159 ,-141	136 ,040 -,281 ,388 ,787 ,671 1,000 ,274 ,738 ,533 ,510 ,381 ,549 ,573 ,572 ,491 -,061 ,189	37 -,329 ,087 ,192 ,161 ,152 ,274 1,000 ,204 ,134 ,090 ,178 ,361 ,620 ,360 ,252 ,017 ,187 -,578 ,662	138 ,330 -,160 ,353 ,547 ,738 ,204 1,000 ,325 ,514 ,218 ,389 ,487 ,372 ,462 ,468 ,036 ,074	139 ,307 -,061 ,522 ,671 ,633 ,134 ,325 ,315 ,631 ,728 ,729 -,123 -,012	-,158 -,455 ,117 ,498 ,361 ,510 ,090 ,514 -,075 1,000 ,136 ,480 ,265 ,038 ,031 ,038 ,140 ,055 -,008	141 128 -,425 ,069 ,172 ,046 ,381 ,178 ,218 ,223 ,136 1,000 ,671 ,335 ,079 ,304 ,323 ,174 -,315 -,043	142 -1733 -600 348 472 251 549 ,230 ,480 ,671 1,000 ,555 ,192 ,266 ,254 302 -516 ,130	143 ,136 ,358 ,479 ,385 ,530 ,620 ,487 ,325 ,555 ,555 ,555 ,555 ,000 ,753 ,576 ,400 ,488 ,393 ,472	144 ,304 ,326 ,364 ,395 ,342 ,315 ,038 ,079 ,192 ,753 1,000 ,454 ,314 ,470 ,147 ,315	145 ,459 ,537 ,656 ,393 ,573 ,252 ,427 ,631 ,031 ,304 ,266 ,576 ,454 1,000 ,932 ,844 -261 ,266	146 ,581 -148 ,563 ,718 ,461 ,572 ,728 ,017 ,462 ,728 ,038 ,323 ,254 ,400 ,314 ,932 1,000 ,870 ,870 ,014	,496 -,166 ,599 ,785 ,574 ,491 ,187 ,468 ,729 ,140 ,174 ,302 ,488 ,470 ,844 ,870 1,000 -,282 ,094	.073 .143 -236 -112 .159 -061 -578 .036 -123 .055 -315 -516 -393 -147 -261 -147 -282 1,000 -393	-,281 ,452 ,348 ,141 -,141 ,189 ,662 ,074 -,012 -,008 ,074 -,012 ,315 ,266 ,006 ,094 -,393 1,000	-,120 -,087 ,385 ,298 ,174 ,100 ,528 ,536 -,203 ,020 ,241 ,298 ,668 ,523 ,411 ,533 -,612 ,341	-,070 -,193 ,225 ,332 ,271 ,302 ,608 ,080 ,510 ,510 ,097 ,263 ,376 ,600 ,408 ,590 ,408 ,590 ,408 ,495 -,691 ,455	-,120 -,233 ,385 ,298 ,174 ,349 ,528 ,087 ,536 ,090 ,514 ,542 ,528 ,154 ,523 ,411 ,389 -,442 ,341	,126 -,061 ,522 ,256 ,144 ,233 ,302 ,394 -,075 ,322 ,230 ,325 ,108 ,514 ,418 ,382 -,123 ,230	,141 ,017 ,453 ,392 ,179 ,322 ,686 ,240 ,453 ,040 ,326 ,484 ,797 ,524 ,638 ,473 ,559 -,681 ,602	,213 -, -,151 -, ,000 , ,267 , ,463 , ,387 -, -,108 , ,433 , ,130 , ,379 , ,077 , ,026 , ,119 , ,216 , ,216 , ,119 , ,216 , ,216 , ,119 , ,216 , ,216 , ,216 , ,321 , ,322 , ,323 , ,324 , ,327 , ,327 , ,327 , ,226 , ,327 , ,226 , ,327 , ,226	077 ,305 ,339 ,699 ,699 ,753 ,300 ,544 ,681 ,326 ,628 ,564 ,457 ,492 ,497 ,535 ,176 ,156
132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150	1,000 ,141 ,311 ,136 ,040 -,329 ,330 ,307 -,158 ,128 ,136 ,304 ,459 ,581 ,496 ,073 -,281 -,120	,141 1,000 ,151 -,247 -,262 -,281 ,087 -,160 -,061 -,455 -,600 -,186 ,031 -,122 -,148 -,166 ,143 ,452 -,087	133 ,311 1,151 1,000 ,596 ,225 ,388 ,192 ,353 ,522 ,117 ,069 ,348 ,326 ,537 ,553 ,599 -,236 ,348 ,385	134 - 136 - 247 596 1,000 ,654 ,787 ,161 ,547 ,671 ,472 ,479 ,364 ,656 ,718 ,785 - 112 ,141 ,298	135 ,187 -,262 ,255 ,654 1,000 ,671 ,152 ,717 ,667 ,385 ,393 ,393 ,461 ,574 ,159 -,141 ,174	136 ,040 -,281 ,388 ,787 ,671 1,000 ,274 ,738 ,533 ,510 ,381 ,549 ,573 ,572 ,491 -,061 ,189 ,100	137 -,329 ,087 ,192 ,161 ,152 ,274 1,000 ,204 ,134 ,090 ,178 ,361 ,360 ,252 ,017 ,187 -,578 ,662 ,528	138 ,330 -,160 ,353 ,547 ,717 ,738 ,204 1,000 ,325 ,514 ,218 ,389 ,487 ,372 ,462 ,036 ,074 -058	139 ,307 -,061 ,522 ,671 ,667 ,533 ,134 ,325 ,203 ,325 ,315 ,631 ,728 -,123 -,012 ,536	-,158 -,455 ,117 ,498 ,361 ,510 ,090 ,514 ,510 ,090 ,514 ,090 ,514 ,090 ,514 ,000 ,136 ,480 ,031 ,038 ,031 ,038 ,140 ,055 -,008 ,-,005	41 128 -425 069 172 046 ,381 178 ,218 ,203 ,136 1,000 ,671 ,335 ,079 ,304 ,323 ,174 +.315 -,043 ,020	142 -1733 -600 348 472 251 549 ,230 480 671 1,000 555 192 266 254 302 -516 130 ,241	143 ,136 ,358 ,479 ,385 ,530 ,620 ,487 ,325 ,265 ,555 ,555 ,555 ,555 ,555 ,555 ,5	144 ,304 ,326 ,364 ,395 ,342 ,315 ,038 ,079 ,192 ,753 1,000 ,454 ,314 ,470 ,147 ,315 ,068	145 ,459 -,122 ,537 ,656 ,393 ,573 ,252 ,427 ,631 ,031 ,304 ,266 ,576 ,454 1,000 ,932 ,844 -,261 ,266 ,523	146 ,581 -148 ,563 ,718 ,461 ,572 ,728 ,017 ,462 ,728 ,038 ,323 ,254 ,400 ,314 ,932 1,000 ,870 ,870 ,147 ,006 ,411	.496 -,166 .599 .785 .574 .491 .187 .468 .729 .140 .174 .302 .488 .470 .844 .870 1,000 -,282 .094 .533	.073 .143 -236 -112 .159 -061 -578 .036 -123 .055 -315 -516 -393 -147 -261 -147 -282 1,000 -393 -612	-,281 ,452 ,348 ,141 -,141 ,189 ,662 ,074 -,012 -,008 -,043 ,130 ,472 ,315 ,266 ,006 ,094 -,393 1,000 ,341	-,120 -,087 ,385 ,298 ,174 ,100 ,528 ,536 -,203 ,020 ,241 ,298 ,668 ,523 ,411 ,533 -,612 ,341	-,070 -,193 ,225 ,332 ,271 ,302 ,608 ,080 ,510 ,097 ,263 ,376 ,600 ,408 ,590 ,408 ,590 ,408 ,590 ,408 ,590 ,408 ,590 ,408 ,590 ,408 ,590 ,408 ,590 ,408 ,590 ,408 ,590 ,408 ,590 ,408 ,590 ,408 ,590 ,509 ,500 ,500 ,500 ,500 ,500 ,500	-,120 -,233 ,385 ,298 ,174 ,349 ,528 ,087 ,536 ,090 ,514 ,542 ,528 ,154 ,523 ,411 ,389 -,442 ,341 ,722	,126 -,061 ,522 ,256 ,144 ,233 ,302 ,302 ,302 ,325 ,322 ,230 ,325 ,108 ,514 ,418 ,382 ,230 ,536	,141 ,017 ,453 ,392 ,179 ,322 ,686 ,240 ,453 ,040 ,326 ,484 ,797 ,524 ,638 ,473 ,559 -,681 ,602 ,621	,213 -, -,151 -, 000 , 267 , 463 , 387 -, 108 , 433 , 130 , 379 , 077 , 026 , 119 , 210 ,	077 ,305 ,339 ,699 ,699 ,753 ,300 ,544 ,681 ,326 ,367 ,628 ,564 ,457 ,492 ,497 ,535 ,176 ,156 ,353
132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151	1,000 ,141 ,311 ,136 ,187 ,040 ,329 ,330 ,307 ,158 ,128 ,173 ,304 ,459 ,581 ,496 ,073 ,281 ,120 ,-281 -,120	,141 1,000 ,151 -,247 -,262 -,281 ,087 -,160 -,061 -,455 -,425 -,425 -,425 -,425 -,186 -,186 -,186 -,148 -,148 -,143 -,142 -,148 -,142 -,148 -,140 -,141 -,140 -,247 -,2	133 ,311 1,151 1,000 ,596 ,225 ,388 ,192 ,353 ,522 ,117 ,069 ,348 ,3266 ,537 ,563 ,599 -,2366 ,348 ,385 ,225	134 .136 247 .596 1,000 .654 .671 .472 .472 .479 .364 .785 .711 .712 .472 .472 .479 .364 .712 .112 .112 .112 .332	135 ,187 -,262 ,255 ,654 1,000 ,671 ,361 ,046 ,251 ,385 ,393 ,461 ,159 -,141 ,174 ,271	136 ,040 -,281 ,388 ,787 ,671 1,000 ,274 ,738 ,533 ,510 ,381 ,549 ,573 ,572 ,491 -,061 ,189 ,100 ,302	137 -,329 ,087 ,192 ,161 ,152 ,274 1,000 ,204 ,134 ,090 ,361 ,620 ,361 ,620 ,362 ,017 ,862 ,528 ,608	138 ,330 -,160 ,353 ,547 ,717 ,738 ,204 1,000 ,325 ,514 ,389 ,487 ,372 ,427 ,468 ,036 ,036 ,074 -,058 ,080	139 ,307 -,061 ,522 ,671 ,667 ,325 ,325 ,314 ,000 -,075 ,331 ,325 ,315 ,631 ,729 -,123 ,536 ,510	-,158 -,455 ,117 ,498 ,361 ,510 ,090 ,514 +,075 1,000 ,514 ,480 ,265 ,038 ,031 ,038 ,140 ,055 -,008 ,-203 -,097	41 128 -425 .069 172 203 ,172 203 ,136 1,000 ,671 ,335 ,079 ,304 ,323 ,174 -315 -043 ,020 ,263	142 -1733 -600 .348 .472 .251 .549 .361 .389 .230 .480 .671 1,000 .555 .192 .266 .254 .302 -516 .130 .241 .376	143 1366 -186 358 479 385 530 620 487 325 265 335 5555 1,000 753 5766 400 488 -393 472 298 600	144 ,304 ,326 ,364 ,395 ,342 ,315 ,038 ,079 ,192 ,753 1,000 ,454 ,314 ,470 ,-147 ,315 ,068 ,408	145 ,459 -,122 ,537 ,656 ,393 ,573 ,252 ,427 ,631 ,031 ,304 ,266 ,576 ,454 1,000 ,932 ,844 -,261 ,266 ,523 ,590	146 ,581 ,563 ,718 ,563 ,718 ,461 ,572 ,017 ,462 ,728 ,038 ,323 ,254 ,400 ,314 ,932 1,000 ,870 ,-147 ,006 ,411 ,408	.496 -,166 .599 .785 .574 .491 .187 .468 .729 .140 .174 .302 .488 .470 .844 .870 1,000 -,282 .094 .533 .495	,073 ,143 -,236 -,112 ,159 -,061 -,578 ,036 -,123 ,055 -,315 -,315 -,315 -,315 -,315 -,315 -,315 -,315 -,393 -,147 -,261 -,147 -,282 1,000 -,393 -,612 -,691	-,281 ,452 ,348 ,141 -,141 ,189 ,662 ,074 -,012 -,008 -,043 ,130 ,472 ,315 ,266 ,006 ,094 -,393 1,000 ,341 ,455	-,120 -,087 ,385 ,298 ,174 ,100 ,528 ,528 ,526 ,020 ,241 ,523 ,020 ,241 ,533 ,612 ,341 1,000 ,803	-,070 -,193 ,225 ,332 ,271 ,302 ,608 ,080 ,510 ,097 ,263 ,376 ,600 ,408 ,590 ,408 ,408 ,590 ,408 ,590 ,408 ,590 ,408 ,590 ,408 ,590 ,408 ,590 ,408 ,408 ,408 ,590 ,408 ,408 ,408 ,408 ,408 ,408 ,408 ,40	-,120 -,233 ,385 ,298 ,174 ,349 ,528 ,087 ,536 -,090 ,514 ,523 ,528 ,154 ,523 ,154 ,523 ,411 ,389 -,442 ,341 ,722 ,694	,126 -,061 ,522 ,256 ,144 ,233 ,302 ,302 ,302 ,325 ,075 ,322 ,230 ,325 ,108 ,514 ,418 ,382 ,230 ,514 ,418 ,382 ,230 ,536 ,379	,141 ,017 ,453 ,392 ,179 ,322 ,686 ,240 ,453 ,040 ,326 ,484 ,797 ,524 ,638 ,473 ,559 -,681 ,602 ,621 ,779	,213 -, -,151 -, 000 , 267 , 463 , 387 , -,108 , 433 , 130 , 379 , 077 , 026 , 119 , 210 , 276 , 321 , 158 , 484 -, -,299 , -,252 , -,183 ,	077 ,305 ,339 ,699 ,699 ,699 ,753 ,300 ,544 ,681 ,326 ,367 ,628 ,564 ,457 ,492 ,497 ,535 ,176 ,156 ,353 ,526
132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152	1,000 ,141 ,311 ,136 ,040 ,329 ,330 ,307 -,158 ,128 ,128 ,304 ,459 ,581 ,496 ,073 ,581 ,496 ,073 -,281 -,120 -,070 -,120	,141 1,000 ,151 -,247 -,262 -,281 ,087 -,160 -,061 -,455 -,425 -,425 -,425 -,425 -,186 -,186 -,186 -,148 -,148 -,143 -,142 -,148 -,142 -,148 -,145 -,149 -,140 -,247 -,2	133 ,311 ,151 1,000 ,596 ,225 ,388 ,192 ,353 ,522 ,117 ,069 ,348 ,358 ,326 ,537 ,563 ,596 ,236 ,348 ,348 ,326 ,236 ,348 ,225 ,385 ,385	134 136 -247 ,596 1,000 ,654 ,787 ,161 ,547 ,671 ,498 ,722 ,479 ,364 ,718 ,718 ,712 ,141 ,298	135 ,187 -,262 ,225 ,654 1,000 ,671 ,152 ,717 ,667 ,361 ,385 ,393 ,461 ,574 ,159 ,141 ,174 ,174	136 ,040 -,281 ,388 ,787 ,671 1,000 ,274 ,738 ,533 ,510 ,381 ,549 ,530 ,342 ,573 ,572 ,491 ,189 ,100 ,302 ,349	137 -,329 ,087 ,192 ,161 ,152 ,274 1,000 ,204 ,134 ,090 ,361 ,620 ,360 ,252 ,017 ,18 ,662 ,578 ,662 ,528 ,608 ,528	138 ,330 -,160 ,353 ,547 ,717 ,738 ,204 ,000 ,325 ,514 ,389 ,487 ,372 ,462 ,036 ,036 ,036 ,036 ,036 ,036 ,080 ,087	139 ,307 -,061 ,522 ,671 ,623 ,134 ,325 ,130 ,000 -,075 ,230 ,325 ,315 ,631 ,728 ,729 -,012 ,536 ,510 ,536	-,158 -,455 ,117 ,498 ,361 ,510 ,090 ,514 -,075 1,000 ,136 ,265 ,038 ,031 ,038 ,031 ,038 ,140 ,055 -,008 -,203 -,097 -,090	141 128 -425 .069 .172 .046 .381 .178 .218 .203 .136 1,000 .671 .335 .079 .304 .323 .174 315 043 .020 .263 .514	142 -1733 -600 .348 .472 .251 .549 .361 .389 .230 .480 .671 1,000 .555 .192 .266 .254 .302 .2516 .130 .241 .376 .542	143 ,136 ,358 ,479 ,385 ,530 ,620 ,487 ,325 ,555 ,555 ,555 ,555 ,555 ,000 ,753 ,576 ,400 ,488 ,472 ,298 ,600 ,528	144 ,304 ,311 ,326 ,342 ,345 ,345 ,345 ,345 ,345 ,345 ,345 ,038 ,079 ,192 ,753 1,000 ,454 ,314 ,470 ,315 ,068 ,408 ,154	145 ,459 ,537 ,537 ,656 ,393 ,573 ,252 ,427 ,631 ,031 ,304 ,266 ,576 ,454 1,000 ,932 ,844 ,-261 ,266 ,523 ,590 ,523	146 ,581 ,718 ,563 ,718 ,461 ,572 ,017 ,462 ,728 ,038 ,323 ,254 ,400 ,314 ,932 1,000 ,870 ,-147 ,006 ,411 ,408 ,411	.496 -166 .599 .785 .574 .491 .187 .468 .729 .140 .174 .302 .488 .470 .844 .870 1,000 -282 .094 .533 .495 .389	,073 ,143 -,236 -,112 ,159 -,061 -,578 ,036 -,123 ,055 -,315 -,315 -,315 -,315 -,315 -,315 -,315 -,393 -,147 -,261 1,000 -,393 -,147 -,282 1,000 -,393 -,612 -,691 -,442	-,281 ,452 ,348 ,141 -,141 ,189 ,662 ,074 -,012 -,008 -,043 ,130 ,472 ,315 ,266 ,006 ,094 -,393 1,000 ,341 ,455 ,341	-,120 -,087 ,385 ,298 ,174 ,100 ,528 ,536 -,203 ,020 ,241 ,298 ,523 ,411 ,533 -,612 ,341 1,000 ,803 ,722	-,070 -,193 ,225 ,332 ,271 ,302 ,608 ,080 ,510 -,097 ,263 ,3760 ,408 ,590 ,408 ,590 ,408 ,495 -,691 ,455 ,803 1,000 ,694	-,120 -,233 ,385 ,298 ,174 ,349 ,528 ,087 ,536 -,090 ,514 ,542 ,528 ,154 ,523 ,411 ,389 -,442 ,341 ,722 ,694 1,000	,126 -,061 ,522 ,256 ,144 ,233 ,302 ,149 ,394 -,075 ,322 ,230 ,325 ,108 ,514 ,418 ,382 ,230 ,514 ,418 ,382 ,230 ,536 ,379 ,704	,141 ,017 ,453 ,392 ,179 ,322 ,686 ,240 ,453 ,040 ,326 ,484 ,797 ,524 ,638 ,473 ,559 -,681 ,602 ,621 ,779 ,621	,213 -, -,151 -, 000 , 267 , 463 , 387 , -,108 , 433 , 130 , 379 , 077 , 026 , ,119 , 210 , 276 , 321 , 158 , 484 -, -,299 , -,252 , -,183 , -,162 ,	077 ,305 ,339 ,699 ,699 ,699 ,753 ,300 ,544 ,681 ,326 ,367 ,628 ,564 ,457 ,492 ,497 ,535 ,176 ,156 ,353 ,526 ,549
132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153	1,000 ,141 ,311 ,136 ,040 ,329 ,330 ,307 ,158 ,128 ,304 ,581 ,304 ,073 ,581 ,496 ,073 ,281 -,120 -,070 -,120 ,126	,141 1,000 ,151 -,247 -,262 -,281 ,087 -,160 -,061 -,455 -,600 -,186 ,031 -,122 -,148 -,166 ,031 -,122 -,148 -,166 ,143 ,452 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,186 -,031 -,186 -,087 -,186 -,087 -,186 -,087 -,186 -,087 -,186 -,087 -,186 -,087 -,186 -,087 -,186 -,087 -,186 -,087 -,087 -,186 -,087 -	133 ,311 ,151 1,000 ,596 ,225 ,388 ,192 ,522 ,117 ,069 ,348 ,326 ,537 ,563 ,546 ,547 ,563 ,548 ,326 ,348 ,326 ,348 ,326 ,348 ,325 ,348 ,325 ,348 ,325 ,348 ,325 ,326 ,327 ,385 ,522	134 .136 247 .596 1,000 .654 .787 .161 .547 .654 .472 .479 .364 .656 .718 .785 .112 .141 .298 .322 .298 .256	135 .187 262 .225 .654 1,000 .671 .152 .717 .667 .361 .362 .3461 .574 .152 .141 .174 .174	136 .040 281 .388 .787 .671 1.000 .274 .738 .533 .510 .381 .549 .530 .572 .491 .706 .302 .349 .100 .302 .349 .233	137 -,329 ,087 ,192 ,161 ,152 ,274 1,152 ,274 1,000 ,204 ,134 ,090 ,178 ,360 ,252 ,017 ,187 ,620 ,528 ,608 ,528 ,528 ,302	138 ,330 -,160 ,353 ,547 ,717 ,738 ,204 1,000 ,325 ,514 ,218 ,389 ,487 ,372 ,462 ,468 ,036 ,074 -058 ,080 ,087 ,149	139 ,307 -,061 ,522 ,671 ,533 1,000 -,075 ,203 ,325 ,315 ,631 ,728 ,729 ,536 ,510 ,536 ,536 ,394	-,158 -,455 ,117 ,498 ,361 ,510 ,090 ,514 -,075 1,000 ,136 ,480 ,038 ,031 ,038 ,140 ,055 -,008 -,203 -,097 -,090 -,075	141 ,128 ,425 ,069 ,172 ,046 ,381 ,178 ,218 ,203 ,136 ,130 ,079 ,304 ,323 ,174 ,335 ,079 ,304 ,323 ,174 ,213 ,020 ,263 ,514 ,322	142 -173 -,600 .348 .472 .251 .549 .230 .480 .671 1,000 .555 .192 .266 .130 .254 .302 .211 .376 .542 .230	143 ,136 ,186 ,358 ,479 ,385 ,530 ,620 ,487 ,325 ,265 ,335 ,555 1,000 ,753 ,576 ,400 ,488 ,-393 ,472 ,298 ,600 ,528 ,325	144 ,304 ,311 ,326 ,364 ,395 ,342 ,315 ,038 ,079 ,192 ,753 1,000 ,454 ,314 ,470 ,155 ,068 ,408 ,154 ,108	145 ,459 ,537 ,656 ,393 ,573 ,252 ,427 ,631 ,031 ,304 ,266 ,576 ,454 1,000 ,932 ,844 1,266 ,523 ,590 ,523 ,514	146 ,581 ,563 ,718 ,461 ,572 ,017 ,462 ,728 ,038 ,323 ,254 ,400 ,314 ,932 1,000 ,870 ,006 ,411 ,408 ,411 ,418	,496 -,166 ,599 ,785 ,574 ,491 ,187 ,468 ,729 ,140 ,174 ,302 ,488 ,470 ,844 ,870 1,000 -,282 ,094 ,533 ,495 ,389 ,382	.073 .143 236 112 .159 061 123 .036 123 .055 516 393 147 261 147 282 1,000 612 691 612 691 442 123	-,281 ,452 ,348 ,141 -,141 ,189 ,662 ,074 -,012 ,012 -,008 ,130 ,472 ,315 ,266 ,006 ,004 -,393 1,000 ,341 ,455 ,341 ,230	-,120 -,087 ,385 ,298 ,174 ,100 ,528 ,536 -,203 ,020 ,241 ,536 ,523 ,020 ,241 ,536 ,523 ,020 ,241 ,536 ,523 ,411 ,000 ,803 ,722 ,536	-,070 -,193 ,225 ,332 ,271 ,302 ,608 ,080 ,510 -,097 ,263 ,376 600 ,408 ,590 ,408 ,408 ,590 ,408 ,408 ,590 ,408 ,408 ,590 ,408 ,408 ,590 ,408 ,408 ,590 ,408 ,408 ,408 ,590 ,408 ,408 ,590 ,408 ,408 ,590 ,408 ,408 ,590 ,408 ,408 ,590 ,408 ,408 ,590 ,590 ,590 ,590 ,590 ,590 ,590 ,590	-,120 -,233 ,385 ,298 ,174 ,349 ,528 ,536 -,090 ,514 ,522 ,528 ,154 ,528 ,154 ,523 ,411 ,389 -,442 ,722 ,694 1,000 ,704	,126 -,061 ,522 ,256 ,144 ,233 ,302 ,149 ,394 -,075 ,322 ,230 ,325 ,108 ,514 ,418 ,382 ,230 ,514 ,418 ,382 ,230 ,536 ,379 ,704	,141 ,017 ,453 ,392 ,179 ,322 ,686 ,240 ,453 ,040 ,326 ,484 ,473 ,559 ,559 ,-,681 ,602 ,621 ,779 ,621 ,355	,213 -, -,151 -, .000 , .267 , .463 , .387 , .108 , .433 , .130 , .379 , .077 , .026 , .119 , .276 , .321 , .210 , .276 , .321 , .210 , .276 , .213 , .213 , .210 , .216 , .219 , .210 ,	077 305 339 699 699 753 300 544 681 326 681 326 367 628 564 457 492 497 535 176 156 353 526 549 209
132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153	1,000 ,141 ,311 ,136 ,187 ,329 ,330 ,307 ,158 ,128 ,128 ,304 ,496 ,073 ,281 ,496 ,073 ,281 ,496 ,073 ,281 ,120 ,120 ,120 ,120 ,120 ,120 ,121	,141 1,000 ,151 -,242 -,281 ,087 -,160 -,061 -,455 -,426 -,425 -,4	133 ,311 ,151 1,000 ,596 ,353 ,522 ,117 ,069 ,353 ,522 ,117 ,069 ,348 ,353 ,522 ,117 ,663 ,353 ,599 -,236 ,348 ,385 ,225 ,385 ,225 ,385 ,225 ,385 ,225 ,385 ,522 ,453	134 .136 247 .596 1,000 .654 .787 .161 .547 .671 .472 .479 .364 .656 .718 .785 .112 .141 .298 .256 .392	135 .187 -,262 ,225 ,654 1,000 ,671 ,152 ,361 ,385 ,393 ,461 ,574 ,159 ,-141 ,174 ,271 ,174 ,174 ,174 ,174 ,174	136 .040 281 .388 .787 .671 1,000 .274 .738 .533 .510 .381 .549 .573 .572 .491 -061 .189 .302 .349 .233 .322	137 -,329 ,087 ,192 ,161 ,152 ,274 1,152 ,274 1,000 ,204 ,361 ,360 ,252 ,017 ,862 ,528 ,608 ,528 ,302 ,686	138 ,330 -,160 ,353 ,547 ,717 ,738 ,204 1,000 ,325 ,514 ,218 ,389 ,487 ,372 ,462 ,468 ,036 ,0374 -,058 ,080 ,087 ,240	139 ,307 -,061 ,522 ,671 ,533 1,000 -,075 ,203 ,315 ,631 ,728 ,729 -,123 ,516 ,510 ,536 ,536 ,394	-,158 -,455 ,117 ,498 ,361 ,510 ,090 ,514 ,480 ,051 ,1000 ,265 ,038 ,031 ,038 ,140 ,055 -,008 ,-203 ,057 -,090 -,075 ,040	141 ,128 ,425 ,069 ,172 ,046 ,381 ,178 ,218 ,203 ,136 ,130 ,079 ,304 ,325 ,079 ,304 ,323 ,174 ,-315 ,079 ,304 ,322 ,263 ,514 ,322 ,326	142 -173 -,600 ,348 ,472 ,251 ,549 ,361 ,389 ,230 ,671 1,000 ,671 1,000 ,555 ,192 ,266 ,254 ,302 ,254 ,302 ,241 ,376 ,542 ,230 ,484	143 -186 .358 .479 .385 .530 .620 .487 .265 .335 .555 .555 .555 .1000 .487 .753 .576 .400 .488 .393 .472 .298 .600 .528 .325 .528 .325 .797	144 ,304 ,303 ,326 ,342 ,360 ,372 ,355 ,038 ,079 ,192 ,753 ,008 ,079 ,192 ,753 ,315 ,008 ,314 ,470 ,314 ,470 ,315 ,068 ,314 ,315 ,315 ,008 ,312 ,315 ,008 ,372 ,369 ,372 ,360 ,372 ,315 ,038 ,037 ,372 ,360 ,372 ,360 ,372 ,360 ,372 ,315 ,038 ,372 ,315 ,038 ,372 ,315 ,038 ,372 ,315 ,038 ,372 ,315 ,038 ,372 ,315 ,038 ,372 ,315 ,038 ,372 ,315 ,038 ,372 ,315 ,038 ,372 ,315 ,038 ,372 ,315 ,038 ,372 ,315 ,038 ,315 ,038 ,372 ,315 ,038 ,315 ,038 ,372 ,315 ,038 ,315 ,000 ,315 ,315 ,000 ,315 ,315 ,000 ,315 ,315 ,000 ,315 ,315 ,000 ,315 ,315 ,000 ,315 ,000 ,152 ,315 ,008 ,154 ,147 ,315 ,068 ,155 ,155 ,055 ,155 ,155 ,155 ,155 ,155	145 ,459 ,537 ,656 ,393 ,573 ,252 ,427 ,631 ,304 ,266 ,576 ,454 1,000 ,932 ,844 1,000 ,932 ,844 1,266 ,523 ,590 ,523 ,514 ,638	146 ,581 ,148 ,663 ,718 ,461 ,572 ,017 ,462 ,728 ,323 ,254 ,400 ,314 ,932 1,000 ,870 ,710 ,870 ,411 ,408 ,411 ,418 ,473	.496 -,166 ,599 ,785 ,574 ,491 ,187 ,729 ,140 ,174 ,302 ,488 ,470 ,844 ,870 ,844 ,870 ,094 ,533 ,389 ,389 ,382 ,559	.073	-,281 ,452 ,348 ,141 -,141 ,189 ,662 ,074 -,012 -,008 -,043 ,130 ,472 ,315 ,266 ,004 -,393 1,000 ,341 ,455 ,341 ,230 ,602	-,120 -,087 ,298 ,174 ,100 ,528 ,536 -,203 ,020 ,241 ,298 ,536 ,523 ,411 ,533 -,612 ,341 1,000 ,803 ,722 ,536 ,621	-,070 -,193 ,225 ,332 ,271 ,302 ,608 ,080 ,510 -,097 ,263 ,376 ,600 ,408 ,590 ,408 ,408 ,590 ,408 ,590 ,408 ,590 ,408 ,408 ,590 ,408 ,408 ,408 ,590 ,408 ,408 ,408 ,408 ,408 ,408 ,408 ,40	-,120 -,233 ,385 ,298 ,174 ,349 ,528 ,536 -,090 ,514 ,542 ,528 ,154 ,528 ,154 ,528 ,154 ,528 ,154 ,528 ,154 ,528 ,154 ,528 ,154 ,528 ,154 ,528 ,154 ,528 ,154 ,154 ,154 ,154 ,154 ,154 ,154 ,154	,126 -,061 ,522 ,256 ,144 ,233 ,302 ,149 ,394 ,394 ,394 ,394 ,325 ,108 ,514 ,418 ,382 ,230 ,536 ,536 ,537 ,704 1,000 ,355	,141 ,017 ,453 ,392 ,179 ,322 ,686 ,240 ,453 ,040 ,453 ,040 ,453 ,559 -,681 ,621 ,779 ,621 ,355 1,000	,213 -, -,151 -, .000 , .267 , .463 , .387 , .108 , .433 , .130 , .379 , .077 , .026 , .119 , .210 , .276 , .321 , .321 , .158 , .484 -, .299 , .252 , .183 , .162 , .022 , .074 ,	077 305 339 699 699 753 300 5544 681 326 681 326 682 564 457 492 497 535 176 156 353 526 549 209 469
132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154	1,000 ,141 ,311 ,136 ,040 ,329 ,330 ,307 ,158 ,128 ,128 ,304 ,459 ,581 ,496 ,073 ,581 ,496 ,073 ,281 -,120 -,070 -,120 ,126	,141 1,000 ,151 -,247 -,262 -,281 ,087 -,160 -,061 -,455 -,600 -,186 ,031 -,122 -,148 -,166 ,031 -,122 -,148 -,166 ,143 ,452 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,087 -,186 -,031 -,186 -,087 -,186 -,087 -,186 -,087 -,186 -,087 -,186 -,087 -,186 -,087 -,186 -,087 -,186 -,087 -,186 -,087 -,087 -,186 -,087 -	133 ,311 ,151 1,000 ,596 ,225 ,388 ,192 ,522 ,117 ,069 ,348 ,326 ,537 ,563 ,546 ,547 ,563 ,548 ,326 ,348 ,326 ,348 ,326 ,348 ,325 ,348 ,325 ,348 ,325 ,348 ,325 ,326 ,327 ,385 ,522	134 .136 247 .596 1,000 .654 .787 .161 .547 .671 .498 .172 .479 .364 .656 .718 .785 112 .141 .298 .332 .298 .256	135 .187 262 .225 .654 1,000 .671 .152 .717 .667 .361 .362 .3461 .574 .152 .141 .174 .174	136 .040 281 .388 .787 .671 1.000 .274 .738 .533 .510 .381 .549 .530 .572 .491 .706 .302 .349 .100 .302 .349 .233	137 -,329 ,087 ,192 ,161 ,152 ,274 1,152 ,274 1,000 ,204 ,134 ,090 ,178 ,360 ,252 ,017 ,187 ,620 ,528 ,608 ,528 ,528 ,302	138 ,330 -,160 ,353 ,547 ,717 ,738 ,204 1,000 ,325 ,514 ,218 ,389 ,487 ,372 ,462 ,468 ,036 ,074 -058 ,080 ,087 ,149	139 ,307 -,061 ,522 ,671 ,533 1,000 -,075 ,203 ,325 ,315 ,631 ,728 ,729 ,363 ,536 ,510 ,536 ,394	-,158 -,455 ,117 ,498 ,361 ,510 ,090 ,514 -,075 1,000 ,136 ,480 ,038 ,031 ,038 ,140 ,055 -,008 -,203 -,097 -,090 -,075	141 ,128 ,425 ,069 ,172 ,046 ,381 ,178 ,218 ,203 ,136 ,130 ,079 ,304 ,323 ,174 ,335 ,079 ,304 ,323 ,174 ,213 ,020 ,263 ,514 ,322	142 -173 -,600 .348 .472 .251 .549 .230 .480 .671 1,000 .555 .192 .266 .130 .254 .302 .211 .376 .542 .230	143 ,136 ,186 ,358 ,479 ,385 ,530 ,620 ,487 ,325 ,265 ,335 ,555 1,000 ,753 ,576 ,400 ,488 ,-393 ,472 ,298 ,600 ,528 ,325	144 ,304 ,311 ,326 ,364 ,395 ,342 ,315 ,038 ,079 ,192 ,753 1,000 ,454 ,314 ,470 ,155 ,068 ,408 ,154 ,108	145 ,459 ,537 ,656 ,393 ,573 ,252 ,427 ,631 ,031 ,304 ,266 ,576 ,454 1,000 ,932 ,844 1,266 ,523 ,590 ,523 ,514	146 ,581 ,563 ,718 ,461 ,572 ,017 ,462 ,728 ,038 ,323 ,254 ,400 ,314 ,932 1,000 ,870 ,006 ,411 ,408 ,411 ,418	,496 -,166 ,599 ,785 ,574 ,491 ,187 ,468 ,729 ,140 ,174 ,302 ,488 ,470 ,844 ,870 1,000 -,282 ,094 ,533 ,495 ,389 ,382	.073 .143 236 112 .159 061 578 .036 123 .055 516 315 516 393 147 261 282 1.000 393 612 691 442 123 681 .484	-,281 ,452 ,348 ,141 -,141 ,189 ,662 ,074 -,012 ,012 -,008 ,130 ,472 ,315 ,266 ,006 ,004 -,393 1,000 ,341 ,455 ,341 ,230	-,120 -,087 ,288 ,174 ,100 ,528 ,536 -,203 ,020 ,241 ,298 ,608 ,523 ,411 ,533 -,612 ,341 1,000 ,803 ,722 ,536 ,621 -,252	-,070 -,193 ,225 ,332 ,271 ,302 ,370 ,608 ,080 ,510 ,097 ,263 ,376 ,600 ,408 ,408 ,408 ,408 ,408 ,408 ,408 ,4	-,120 -,233 ,385 ,298 ,174 ,349 ,528 ,536 -,090 ,514 ,522 ,528 ,154 ,528 ,154 ,523 ,411 ,389 -,442 ,722 ,694 1,000 ,704	,126 -,061 ,522 ,256 ,144 ,233 ,302 ,149 ,394 -,075 ,322 ,230 ,325 ,108 ,514 ,418 ,382 ,230 ,514 ,418 ,382 ,230 ,536 ,379 ,704	,141 ,017 ,453 ,392 ,179 ,322 ,686 ,240 ,453 ,040 ,326 ,484 ,473 ,559 ,559 ,-,681 ,602 ,621 ,779 ,621 ,355	,213 - -,151 - ,000 , 267 , 463 , 387 , -,108 , 433 , 130 , 379 , 077 , 076 , 077 , 077 , 077 , 077 , 077 , 076 , 077 ,	0777 305 339 699 699 699 554 681 3266 367 628 564 457 492 497 535 176 156 353 3526 526 5269 209 469 313

The covariance matrix is calculated and used in the analysis.

		-	11				J .					
	UZ	UN	SU	DU	DA	DR	SB	SS	SM	GU	PP	PG
UZ	1											
UN	0.390	1										
SU	0341	0.062	1									
DU	0.504	0.279	0.015	1								
DA	0.451	0.015	0.041	0.002	1							
DR	0.551	0.254	0.500	0.001	0.066	1						

Suppl. table II. Correlation matrix – symptoms scale

SB	0.781	0.640	0.561	0.601	0.139	0.509	1					
SS	0.824	0.483	0.038	0.007	0.010	0.003	0.064	1				
SM	0.934	0.027	0.044	0.001	0.003	0.009	0.522	0.001	1			
GU	0.888	0.034	0.365	0.084	0.149	0.393	0.278	0.148	0.235	1		
PP	0.003	0.349	0.332	0.066	0.055	0.142	0.021	0.047	0.066	0.931	1	
PG	0.050	0.011	0.129	0.017	0.235	0.021	0.050	0.030	0.213	0.117	0.037	1

Suppl. table III. Correlation matrix – emotional functioning scale

	I43	I44	I45	I46	I47
I43	1				
I44	0.001	1			
I45	0.001	0.033	1		
I46	0.004	0.042	0.001	1	
I47	0.001	0.001	0.001	0.001	1

Suppl. table IV. Correlation matrix – physical functioning scale

	I49	I50	I51	I52	I53	I54	I56	I57	I58	I59
I49	1									
I50	0.035	1								
I51	0.295	0.001	1							
I52	0.062	0.024	0.001	1						
I53	0.075	0.047	0.076	0.001	1					
I54	0.062	0.018	0.001	0.042	0.014	1				
I56	1.000	0.680	0.661	0.094	0.006	0.072	1			
I57	0.460	0.558	0.282	0.184	0.493	0.263	0.242	1		
I58	0.385	0.589	0.228	0.537	0.335	0.639	-	-	1	
I59	0.363	0.133	0.063	0.156	0.319	0.199	-	-	0.096	1

STROBE Statement—Checklist of items that should be included in reports of *cross-sectional studies*

	Item	
	No	Recommendation
Title and abstract	1	 (a) Indicate the study's design with a commonly used term in the title or the abstract The Quality of Life of Patients with Hereditary Nonpolyposis Colorectal Cancer Undergoing Preoperative Chemoradiation (b) Provide in the abstract an informative and balanced summary of what was done and what was found Materials and methods. The cross-sectional, single-center study was performed on a group of 32 patients with genetic risk of colorectal cancer, who underwent preoperative chemoradiation and surgery. Results. The series of values for the scores on the symptom scale varied between 15 and 30, and the average level of symptom scores did not differ significantly between the genders
		(22.0 vs 22.75; p = 0.636), highlighting a moderate impairment of quality of life QoL. Scores for the emotional functioning scale were significantly lower in men (10.33 vs 13.25; p = 0.049), as were the scores for the physical functions (15.67 vs 19.15; p = 0.039), showing a decrease of quality of life QoL. Conclusions. The overall score showed an average quality of life QoL in patients with colorectal cancer with genetic risk, highlighting significant differences in psycho-emotional functioning between women and men.
Introduction		
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported CRC can be hereditary in 3% of patients, with an onset at younger ages as various genetic syndromes [2, 3]. The increasing incidence of CRC emphasized the studying of quality of life (QoL) in patients undergoing oncological and surgical therapies. Recent studies have shown that path_MLH1 and path_MSH2 carriers have a lifetime risk of CRC of approximately 50% and this incidence could not be decreased by surveillance colonoscopy.
Objectives	3	State specific objectives, including any prespecified hypotheses The study aim was to evaluate the QoL of patients with colorectal cancer with genetic risk who underwent preoperative cancer treatment (chemoradiation) and then underwent surgery, using an official questionnaire translated into Romanian.
Methods		
Study design	4	Present key elements of study design early in the paper

Study design

⁴ Present key elements of study design early in the paper

		The cross-sectional study
Setting	5	Describe the setting, locations, and relevant dates, including
		periods of recruitment, exposure, follow-up, and data collection
		The cross-sectional study was conducted between November
		2019 and March 2020 and interrupted temporarily due to the
		COVID-19 pandemic lockdown in Romania on March, 16th, 2020.
		The study was carried out at Regional Institute of Oncology, Iasi,
		Romania. The genetic risk was analyzed based on the genetic tree
		and the Amsterdam criteria by oncogenetics specialists.
Participants	6	(a) Give the eligibility criteria, and the sources and methods of
1		selection of participants
		The inclusion criteria in the study were: patients over 18 years of
		age, without cognitive disorders, with unaltered judgment and
		introspection capacity, having awareness of oncological disease,
		with oncological diagnosis and genetic risk. All patients who
		were asked to answer the questionnaire, after basic information
		of the study, gave their informed consent and filled in the QoL
		assessment questionnaire. The exclusion criteria were: patients
		with oncological diagnosis but without a genetic risk, those in the
		stage of denial of the oncological disease, confused or disoriented,
		and those with problems in understanding the instructions to fill
x7 · 11		in the questionnaire.
Variables	7	Clearly define all outcomes, exposures, predictors, potential
		confounders, and effect modifiers. Give diagnostic criteria, if
		applicable
		The study was conducted in accordance with the Helsinki
		Declaration and with several published principles
		Study participants were patients with CRC with a genetic risk and
		chemoradiation undergoing first post-surgery monitoring
		Independent variables: sex (gender), age
		Dependent variables: QoL scale - overall functioning, QoL scale -
		physical functioning, QoL scale - emotional functioning
Data sources/	8*	For each variable of interest, give sources of data and details of
measurement		methods of assessment (measurement). Describe comparability of
		assessment methods if there is more than one group
		Participants were selected taking into account the inclusion
		criteria, one of the members of the study team, specialist in
		Oncogenetics, being directly involved in identifying patients at
		genetic risk of cancer. Data for independent variables were
		obtained from the anamnesis, and data for dependent variables
		were obtained from the analysis of questionnaires filled in by
		participants
Bias	9	Describe any efforts to address potential sources of bias

9 Describe any efforts to address potential sources of bias

		A potential source of bias could be the socially desirable responses from participants and to avoid this situation, the oncologic psychologist explained to participants that there were no right or wrong answers, and, no matter what answers they chose, there were no negative consequences in terms of regarding the collaboration with the physicians or the subsequent treatments.
Study size	10	Explain how the study size was arrived at The cross-sectional study was conducted between November 2019 and March 2020 and interrupted temporarily due to the
Quantitative variables	11	COVID-19 pandemic lockdown in Romania on March, 16th, 2020 Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why Tables.
Statistical methods	12	 (a) Describe all statistical methods, including those used to control for confounding Descriptive statistics. Kruskal-Wallis significance tests, ANOVA (b) Describe any methods used to examine subgroups and interactions Descriptive statistics. (c) Explain how missing data were addressed N/A (d) If applicable, describe analytical methods taking account of sampling strategy
		N/A(e) Describe any sensitivity analysesThe Cronbach's alpha coefficient =0.819, respectively 0.90, takinginto account a statistically significant threshold < 0.05.
Results Participants	13*	 (a) Report numbers of individuals at each stage of study-eg numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analysed The study group consisted of 32 patients who freely consented to participate in the research. (b) Give reasons for non-participation at each stage The exclusion criteria were: patients with oncological diagnosis but without a genetic risk, those in the stage of denial of the oncological disease, confused or disoriented, and those with problems in understanding the instructions to fill in the questionnaire. (c) Consider use of a flow diagram N/A

Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders Table 1.
		(b) Indicate number of participants with missing data for each variable of interest N/A
Outcome data	15*	Report numbers of outcome events or summary measures N/A
Main results	16	(<i>a</i>) Give unadjusted estimates and, if applicable, confounder- adjusted estimates and their precision (eg, 95% confidence interval). Make clear which confounders were adjusted for and why they were included N/A
		(b) Report category boundaries when continuous variables were
		categorized
		They are reported within the limits of the study in Tables 1, 3, 5,
		7, and 8.
		(c) If relevant, consider translating estimates of relative risk into
		absolute risk for a meaningful time period
		N/A
Other analyses	17	Report other analyses done - eg. analyses of subgroups and
		interactions, and sensitivity analyses
		Male / female subgroups, age / correlations between variables
		were analysed.
Discussion		
Key results	18	Summarise key results with reference to study objectives
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Limitations	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias The limitations of the QoL studies in patients with CRC could be the lack of accumulation of information by systematic reviews and the lack of a gold standard for QoL measurement. Other limitations of such studies could be due to poor data acquisition, low response rates, a reduced sample size, and different ways of correcting the confounding factors. The role of chemoradiation has been little investigated in patients with a colostomy for CRC. In the context of several limitations, we considered that the QoL studies would be useful to understand the factors influencing the QoL of patients with colorectal cancer, especially when diagnosed at younger ages.
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence The overall score of QoL showed an average QoL level in patients with CRC with genetic risk treated by chemoradiation, at the first postoperative monitoring, highlighting significant differences in psycho-emotional functioning between women and men, data comparable with the results of other studies with same research purposes.
Generalisability	21	Discuss the generalisability (external validity) of the study results The strengths of the present study refer to a group of patients with Lynch syndrome who are young patients, socially active, for who to maintain a high level of QoL is extremely important even after the oncological therapeutic interventions. The weaknesses of our study refer to the small group, few demographic variables and the non-inclusion in the statistical evaluation of the histopathological and surgical data. The same team of researchers from our university intends to continue the study on larger groups of patients, in order to better conclude the results and extrapolate the conclusions in the hospital management, population awareness and patients' information, as well as for future projects of other research teams. The research should use properly validated tools in large-scale studies for a better data comparison. The result of such studies might be useful for oncologists, surgeons, psychologists, and pharmacologists, to choose the best therapy protocols to increase QoL in patients diagnosed with CRC at young ages.

Funding	22	Give the source of funding and the role of the funders for the
		present study and, if applicable, for the original study on which
		the present article is based
		This research received no external funding.

*Give information separately for exposed and unexposed groups.

Note: An Explanation and Elaboration article discusses each checklist item and gives methodological background and published examples of transparent reporting. The STROBE checklist is best used in conjunction with this article (freely available on the Web sites of PLoS Medicine at http://www.plosmedicine.org/, Annals of Internal Medicine at http://www.annals.org/, and Epidemiology at http://www.epidem.com/). Information on the STROBE Initiative is available at www.strobe-statement.org.