東北メディカル・メガバンク計画　バイオバンク利用による主要業績リスト

作成日：2026 年 1 月 21 日

種類		新規件数 2025/10/2-2026/1/6		これまでの件数 2015 – 2025/10/1		合計
		件数	文献番号	件数	文献番号	
原著論文（利用した試料・情報別）	1.　ゲノム情報					
	1_1. 頻度情報	45 件	(1-45)	1223 件	(46-1268)	1268 件
	1_2. 標準ゲノム	0 件		11 件	(737, 756, 851, 939, 1269-1275)	11 件
	1_3. 全ゲノム	1 件	(21)	10 件	(637, 868, 1189, 1276-1282)	11 件
	1_4. SNP Array データ					
	1_4_1. Japonica Array	2 件	(1283, 1284)	116 件	(108, 125, 126, 138, 172, 217, 241, 390, 393, 511, 637, 643, 655, 837, 951, 1017, 1036, 1277-1280, 1282, 1285-1378)	118 件
	1_4_2. OmniExpressExome	0 件		10 件	(637, 1339, 1379-1386)	10 件
	1_5. iMETHYL	1 件	(1387)	39 件	(643, 1388-1425)	40 件
	1_6. その他のゲノム	1 件	(1426)	1 件	(1427)	2 件
	2.　メタゲノム	1 件	(1428)	1 件	(1429)	2 件
	3.　メタボローム情報	0 件		9 件	(511, 1353, 1430-1436)	9 件
	4.　GWAS レポジトリ	0 件		5 件	(1339, 1437-1440)	5 件
	5. 試料					
	5_1. 細胞	0 件		1 件	(175)	1 件
	5_2. 血清・血漿	0 件		4 件	(1441-1444)	4 件
	5_3. DNA	1 件	(1426)	4 件	(1336, 1427, 1445, 1446)	5 件
	5_4. 母乳	1 件	(1447)	1 件	(1448)	2 件
	6．健康調査情報					
	6_1. 調査票情報、検体検査情報、特定健診情報、生理機能検査情報	6 件	(21, 1283, 1284, 1426, 1447, 1449)	44 件	(637, 837, 868, 951, 1017, 1189, 1281, 1282, 1322, 1336, 1339, 1353, 1355, 1367, 1427, 1432, 1433, 1443-1445, 1448, 1450-1472)	50 件
	6_2. MRI 検査情報	0 件		1 件	(1464)	1 件
	7．施設、技術・方法、データベース	0 件		28 件	(334, 837, 1473-1498)	28 件
	小計（※重複を除いた件数）	**52** 件		**1446** 件		**1498** 件
知財申請	1.　ゲノム情報	0 件		2 件	(1499, 1500)	2 件
	2.　健康調査情報	0 件		2 件	(1500, 1501)	2 件

	3. 血清	0 件		1 件	(1501)	1 件
	小計（※重複を除いた件数）	0 件	—	**3** 件		**3** 件
引用・レビュー・学会抄録等	1. 論文・本での引用	2 件	(1502, 1503)	302 件	(1504-1805)	304 件
	2. レビュー	1 件	(1806)	167 件	(1807-1973)	168 件
	3. 学会抄録	3 件	(1974-1976)	58 件	(1977-2034)	61 件
	4. 学位論文	0 件		37 件	(2035-2071)	37 件
	小計（※重複を除いた件数）	**6** 件		**564** 件		**570** 件
合計（※重複を除いた件数）		**58** 件	—	**2013** 件	—	**2071** 件

分譲利用による成果

種類		新規件数 2025/10/2-2026/1/6		これまでの件数 – 2025/10/1		合計
		件数	文献番号	件数	文献番号	
原著論文（利用した試料・情報別）	ゲノム情報					
	頻度情報	1 件	(21)	2 件	(637, 951)	3 件
	全ゲノムデータ	1 件	(21)	2 件	(637, 1282)	3 件
	SNP Array データ	0 件		4 件	(637, 951, 1282, 1336)	4 件
	その他のゲノムデータ（ミトコンドリアゲノム）	1 件	(1426)	1 件	(1427)	2 件
	メタボローム情報	0 件		2 件	(1432, 1433)	2 件
	健康調査情報					
	調査票情報、検体検査情報、特定健診情報、生理機能検査情報	2 件	(21, 1426)	17 件	(637, 951, 1282, 1336, 1427, 1432, 1433, 1443-1445, 1452-1454, 1461, 1464. 1466, 1468-1470)	19 件
	MRI 検査情報	0 件		1 件	(1464)	1 件
	試料:血清	0 件		2 件	(1443. 1444)	2 件
	試料:DNA	1 件	(1426)	3 件	(1336, 1427, 1445)	4 件
	小計（※重複を除いた件数）	**2** 件		**19** 件		**21** 件
知財申請	ゲノム情報	0 件		1 件	(1500)	1 件
	健康調査情報	0 件		2 件	(1500, 1501)	2 件
	試料：血清	0 件		1 件	(1501)	1 件
	小計（※重複を除いた件数）	**0** 件	—	**2** 件		**2** 件
合計（※重複を除いた件数）		**2** 件	—	**21** 件	—	**23** 件

検索方法：

① Google Scholar を用いて次のキーワードで検索した。キーワード：1KJPN、2KJPN、3.5KJPN、4.7KJPN、8.3KJPN、14KJPN、38KJPN、54KJPN、60KJPN、61KJPN、iJGVD、Integrative Japanese Genome Variation、JG1、JG2、JRGA、Japonica Array、jMorp、iMethyl、JSV1、Tohoku Medical Megabank Project、Tohoku Medical Megabank Organization、ToMMo。

② ToMMo 所属の先生によって発表された論文を PubMed でひき、Cited by にリストされた論文を検索した。

③ 分譲申請による利用者から提出された「研究実施経過報告書」に記載されていた発表論文等を検索した。

除外基準： first author、corresponding author もしくは last author が岩手医科大学いわて東北メディカル・メガバンク機構もしくは東北大学東北メディカル・メガバンク機構に所属している論文。

検索結果のなかで、明らかに該当しない論文（例えば、言語名 Tommo So についての論文等）。

■文献（年毎にアルファベット順）

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1499. Yamaguchi, K., Kusuhara, M., Serizawa, M., Mochizuki, T., Ohshima, K., Hatakeyama, K. *et al.* inventors; Google Patents assignee. Method for determining presence or absence of risk of developing cancer

1500. 株式会社東芝 inventors; 特許庁 assignee. 形質予測モデル作成装置、形質予測装置及び形質予測モデル作成方法

1501. 東ソー株式会社 inventors; 特許庁 assignee. がん罹患者の全生存期間を予測する方法

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